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DRUG & CHEMICAL MARKETS

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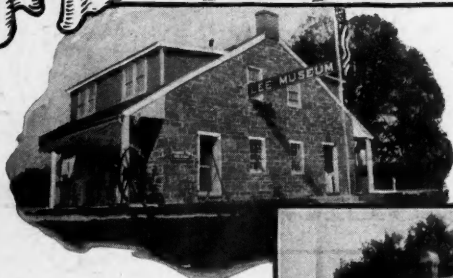
A Weekly Business Paper and Prices Current on
Chemicals, Drugs, Colors, and Aromatics

VOL. XVII

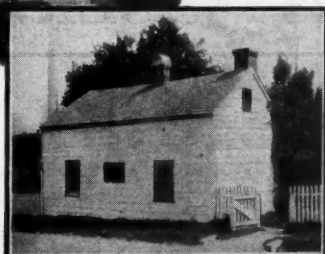
NEW YORK, SEPTEMBER 9, 1925

No. 11

HEADQUARTERS



GETTYSBURG



Headquarters of the opposing generals at the battle of Gettysburg, one of the decisive engagements of the Civil War. General Lee, of the Confederate Army, directed his troops from the stone house; the commander of the Union Army, General Meade, issued orders from the house shown in the lower picture.

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DRUG & CHEMICAL MARKETS

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VOL. XVII

No. 11

The Week in Brief

News

A contest for the dye markets of the world is predicted by the U. S. Tariff Commission, which outlines Germany's plans for recapturing the American trade. Progress here is attributed to the expenditure of \$25,000,000 in research work in the period 1917 to 1924.

Efforts to restore the sandalwood tree on the island of Timor are being made by the Dutch East Indies Government. By ruthless deforestation the natives have practically destroyed the sandalwood oil industry.

Insect flowers have broken the low price record, due to large crops in Japan and Dalmatia. Plants put in the ground in 1922, when prices were high are now bearing.

The Exposition of Chemical Industries has arranged an elaborate program of moving pictures to be shown at Grand Central Palace, New York, illustrating the chemical and mechanical progress in the industries.

Markets

Heavy chemicals in good demand with prices firm on the great majority. Butyl alcohol lower for September. Prussiates strong. Formic acid slightly firmer.

Benzene prices are firm and situation is steady despite weakness of gasoline. Pyridine down again. Cresylic acid remains weak. Intermediates in routine demand with prices generally unchanged. Para-nitroaniline breaks further.

Cottonseed oil strengthens somewhat. Linseed oil advanced. Chinawood oil easier. Rapeseed oil arrivals heavy. Animal oils maintain fairly unchanged positions and prices are fairly steady. Fish oils are moving freely.

Fine chemicals showed few new developments, goods moving in a routine way, and principally at unchanged prices. Some interest was evinced in tartaric acid due to offerings from Germany.

Buying in the crude drug field was quiet, especially toward the latter part of the week. Gamboge gum continues high, and new crop ergot is offered at a considerable advance.

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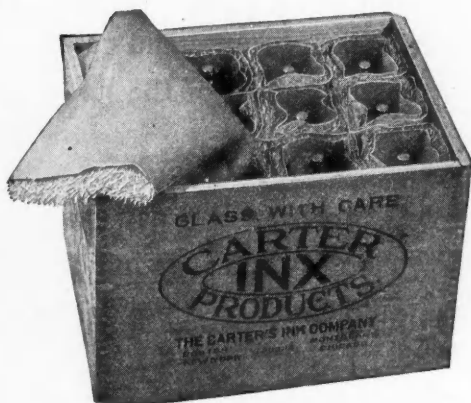
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DRUG & CHEMICAL MARKETS

VOL. XVII

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WHATEVER GAIN IN PUBLICITY?

Whatever purpose can possibly be accomplished through the publication of Federal income tax returns, either of corporations or individuals, has not yet been shown although the subject has been under discussion for over a year. Now, the 1924 figures have been published in the daily press. For the curiosity seeker, the producer of "sucker lists," and the business Paul Prys, this is ideal. They are given an opportunity to check up the private affairs of firms and persons against last year's data. New names will be added to the working lists of questionable charities, reform societies, and other organizations designed to extract cash from the public; old names will be dropped. Without question, this co-operation by the Government is heartily appreciated.

For industrial organizations, publicity in tax matters is serious and may do much damage. In every business, most facts regarding finances are treated in confidence. To place the information in the hands of competitors may do the very thing which has been most guarded against. One or two figures regarding the business of a company may mean far more to a competitor than any casual observer might suspect.

From the psychological angle of a Government based on demagogic ideals, tax publicity may be right; from the angle of business and common sense, however, it is all wrong. Those who file accurate reports and pay their income taxes, are placed at a distinct disadvantage. That there are thousands who pay no tax when they should, is quite fully agreed. Those who abide by the law, be they corporations or individuals, are penalized. For this reason, the publicity is as unjust, as it is unnecessary and unwise.

ARE INSECT FLOWERS A BUY?

In the parlance of the trade, insect flowers "have broken through the cellar floor". The price has dropped precipitously during the gathering season this year and for the past few weeks has been at the lowest point in six years. Severe money losses in both Japan and Dalmatia will be the inevitable consequence of the bumper crops this year, the largest perhaps since the war. Prices in all likelihood will stay down for some time, unless powder manufacturers in all markets buy heavily to take advantage of current low figures.

The present debacle dates all the way back to

1922 when flower prices rose to over fifty cents per pound. The stimulus given then to increased planting by the high market, is the real cause of the present crash. Farmers both in Japan and Europe planted large increases in acreage of pyrethrum. The plants require three years to bear. This year, the big crops were harvested and offered on the market almost simultaneously. Under the circumstances the resultant price decline is no surprise.

In a market flooded with flowers, the position of the powder manufacturer is extremely favorable. To stock up for several years at present low prices, would appear to be the safe thing to do. If the inevitable reaction of the law of supply and demand is the same in this case as it is normally, production will be cut down sharply next year. This is the most logical result, all factors considered. However, with pyrethrum in the ground, farmers who have waited three years for a crop, are not likely to abandon their plants the first year of bearing unless forced by financial distress or actual poverty to do so. From this, there appears to be the possibility of another large production in 1926. This further complicates the present position of the powder manufacturer. There is but little foresight in buying far ahead now at seventeen cents, if the market will be just as low a year hence. Communications from Japan, however, indicate that in that quarter, at any rate, there will be wholesale abandonment of the pyrethrum plants. Offhand, the present market is assumed to be a good buy, although this is by no means a certainty.

WHAT THE CHEMICAL EXPOSITION OFFERS

The Exposition of Chemical Industries comes at an opportune time for manufacturers. Production in consuming fields is increasing and many new products are being put upon the market. In the Court of Chemical Achievement will be concentrated the notable discoveries of recent years, giving the visitor a broad view of the chemical field, and among the exhibits he will find the particular products in which he is interested. He can make his own comparisons between the materials offered by competing companies and the resulting benefit may solve some problems that have arisen in his own mill or factory.

No recent gathering of chemical interests has

been so broad in its scope, including such wide diversity of production, representing so many branches of the industry, or bringing together so many leading men for discussion of important subjects on which new light is needed if the manufacturers in the United States are to hold the lead they have gained in the chemical world. In the lecture room and at the banquet table new intimacies will spring up and the practical value of the Exhibition will more than repay manufacturers, dealers and consumers.

CAUSE AND EFFECT OF COMPETITION

Only recently, the complaint was again heard, that competition in the chemical market was so keen that no one could operate at any profit at all. When questioned, the one who made this remark stated that the effective competition was domestic and not foreign, but he did not state why he was continuing in the business since that condition existed.

The fact that foreign competition is practically negligible, should be a cause of great rejoicing. If domestic competition is as great as indicated, it means that there must be over-production in this country, and that costs of production here are not yet at a point where we can successfully compete with foreign producers for foreign trade.

We must either improve our methods so that we can move our goods to other fields, or go on as we are now, crowding out the weaker producers until competition has been sufficiently eliminated to allow sale at a fair profit within our own boundaries.

A story from Berlin says places cannot be found for all the 1,200 high officials at present employed by members of the Dye Cartel and it is feared that disgruntled men who may not be provided for under the reorganization plan will sell out to foreign interests and disclose important secrets of manufacturing, especially processes that are not patented. Why not pension them? or a Reserve Corps might be formed and they could be called into action when a good chemist dies or retires. It would be an asset as valuable as good will to have the cooperation of these experts who could be consulted at all times and used to fill in during vacation periods.

Through a British contemporary comes the wail of a man who visited a London pharmacy in search of some shaving soap and when he asked for the best, was handed a tube of shaving cream labeled "Made in U. S. A." At the same time, we have on this side of the water, a drive by the American Federation of Labor, to discourage the buying of foreign made goods. Weeping and gnashing of teeth over there and great rejoicing over here over the going of the same ox.

Car loadings for the week ended Aug 15 amounted to 1,064,793, an excess of 111,385 cars over the corresponding week last year. This is the highest the loadings have reached this year and is the fifth consecutive week that they have exceeded one million.

WHO'S WHO— in the Chemical Industry

Allison Bishopric, pres., Bishopric & Lent Co., Cincinnati, O. Born: Port Dover, Ont., Canada, Sept. 1, 1871. Mar.: Adele Gazlay, Cincinnati, Apr. 27, 1898. Educat.: Canadian public schools and business college, St. Catharines, Ont., Canada. Business: Bishopric & Lent Co., (pres.); Bishopric Mfg. Co., (pres.); Bishopric Products Co., (pres.); Provident Oil Co., (treas.). Member: Queen City Club, Business Men's Club, Cincinnati Country Club.

Harry A. Burnett, pres., Digestive Ferments Co., Detroit. Born: Romeo, Mich., Nov. 29, 1878. Mar.: Elsie Jane Moody, Detroit, May 25, 1909. Educat.: Mich. State College, Detroit College of Medicine, Dept. of Pharmacy. Business: Parke, Davis & Co., Detroit, 1899-1901; Parke, Davis & Co., London, Eng., 1901-03; Ray Chemical Co., Detroit, 1903-13; Digestive Ferments Co., 1913. Member: Detroit Club, Detroit Golf Club, Detroit Athletic Club, Bloomfield Community. Hobby: Golf.

Joseph O. DeLorme, mgr., Riviera Products Co., Chicago. Born: Montreal, Canada, Jan. 9, 1875. Mar.: Ann M. Morrison, New York. Educat.: High school graduate, Montreal. Business: Rep. Wm. J. Stange Co., Chgo., 1905-12; H. C. Schranck Co., Milwaukee, 1912-15; doing business as DeLorme-Holman Co., 1915-17. Member: Chicago Drug & Chemical Club, Perfumery, Soap & Extract Assn. (served as secy. and v. pres.), Midland Club, Masonic order. Hobby: 3 cushion billiards.

C. Stanley French, pres., Samuel H. French & Co., Phila. Born: Germantown, Phila., 1857. Mar.: Eleanor Dunning, Phila. Educat.: High school. Business: French, Richards & Co., 1874-91; member of firm 1888-91; Samuel H. French & Co., (gen'l. mgr., 1891-1920; v. pres. and treas., 1920; pres. 1924 to date. Member: Union League, Phila. College of Pharmacy & Science, Mercantile Bldg. & Loan Assn. (pres.), Skating Club, Humane Soc., New Jersey Soc. of Pa. (treas.). Hobby: Farming.

Forrest B. Kingsley, secy., National Oil & Supply Co., Newark, N. J. Born: Newark, N. J., Aug. 9, 1880. Mar.: Grace M. Gulick, Newark, N. J., Dec. 17, 1908. Educat.: High school, business college. Business: P. Ballantine & Sons, 1898-1918, (office mgr.); National Oil & Supply Co., 1918 to date, (secy.). Supply Sergt., 5th Bat'n., N. G. N. J. Member: B. P. O. E. No 21, Northern No. 25, F. & A. M.

Harold B. Prior, H. B. Prior Co., New York. Born: Melrose, Mass., Feb. 11, 1893. Mar.: Mildred Yarwood, Brooklyn, N. Y., June 12, 1913. Educat.: Melrose H. S. Business: Grasselli Chem. Co., 1910-22; H. B. Prior Co., 1922 to date. N. Y. rep., J. T. Baker Chem. Co. since 1922. Member: Salesmen's Assn. of American Chemical Industry.

Louis J. Reizenstein, pres., Falk & Co., Pittsburgh, Pa. Born: Pittsburgh, July 26, 1897. Mar.: Florence W. Silberstein, Sept. 3, 1924. Educat.: Univ. of Pittsburgh. Business: Sales mgr., Falk Apf. Corp., 1919; secy., Falk Co., 1922; pres., 1924. Member: Pittsburgh Chamber of Commerce, Pittsburgh Paint Club, Hai Resh Frat, Concordia Club.

The New Exploitation of Timor Sandalwood

Renewed Development by Dutch East Indian Forest Service May Build Rival of Mysore Government Monopoly

By K. R. F. BLOKZEYL, Buitenzorg, Java

A MOVEMENT is under way by the Forest Service in the Dutch East Indies to develop the sandalwood supply of the Island of Timor (belonging to the Smaller Sunda Islands) under government supervision and careful conservation. The *Santalum album* L., or sandalwood tree, met with in the island represents the only source of the well-known odoriferous wood in the Far East outside of British India. Timor sandalwood has been known to commerce for many centuries past. Marco Polo, in the 13th century, makes frequent reference to Red Sanders Wood and to sandalwood. Garcia de Orta says the white and yellow kinds grow in Timor, where it is called "chundana" and by the Arabs "sandal," and the other kinds in the Malaya Islands, a special red form known as "vermelho" being obtained in Tenasserim. The earliest European writers on the modern traffic refer to the sandal of Macassar, this port in the Moluccas being still at present the chief distributing center, and a supply from there is still recognized in the markets of the world.

The sandal tree occurs in Timor in deciduous forests at an altitude of between 150 to 2,400 feet above sea-level. In the native forest its role probably is quite subordinate as the *Pirus*, *Prunus* and *Sorbus* species are in Europe. Its spreading is closely associated with the shifting cultivations of the natives, because it finds the best conditions for its growth on these fields. Where sandal is found at present, there were nearly always cultivations formerly. The tree occurs only isolated or in small groups. The spreading of the seeds is done by birds.

Sandal grows only on porous soil. A very dry climate is not necessary; in Timor it grows best in regions with from 1,100 to 2,000 millimetres rain, especially where there is also some rain in the dry monsoon. The tree may be encountered at an altitude of nearly 3,700 feet above sea-level.

The best wood for the perfume trade is held to be that from the damper tracts of the island—it being assumed that the portion of oil present depends on both the dampness of soil and climate of the country of production. It seems to be necessary for the growth of sandalwood, that it can live parasitically on other plants. It is difficult to prove this positively, because the tree can attach its roots to different plants, e. g. to grasses which nearly always occur in its neighborhood.

The main interest is the production of heart-wood, this alone constituting the odoriferous wood and representing its value. As a better rule could not be found,

the circumference of the trees was taken as standard for the quantity of heart-wood. Trees with heart-wood can be distinguished by the bark formation several metres from the soil, and a yellowish foliage. Probably the largest production of heart-wood is attained at the age of 40 years.

In former times, the whole of the sandalwood trade was in the hands of the Chinese in this colony. Later the Dutch East India Company held the monopoly. This, however, was abandoned in 1751, as the population was not willing any longer to bring the wood to the seashore for the ruling low prices, as the profit on this commodity was too small. As the Portuguese began to interest themselves in the trade, prices rose

again. In the 19th century, the island of Sumbawa, next to Timor, was nearly quite stripped of its sandal stock, probably as a result of larger demand for the then rising sandal oil industry. The stock of Timor was also freely made use of, so that at present, trees of large dimensions are scarcely to be found. In the last 20 years, Macassar is the main market for the wood. During 1916, the local native rulers gave up their revenue from the cutting of sandalwood and since that time, the work has been done by the district officers and the product sold at auction. During the last seven years the profits gained from the sale of the wood amounted to fl. 245,000 net.

The apprehension that the stock of Timor would be quite exhausted, led to planting, the listing of exist-

ing trees, and the fencing in of groups. For enforcing these precautions, a staff of one range officer and five forest guards are now considered necessary. The conservation is principally fire-protection. Forest fires are the main cause of the bad quality of the wood. Besides, fencing is necessary against cattle (buffaloes) and game (deer). The formation of rootsuckers will be encouraged by wounding the roots, making it possible to form small plots of sandal trees.

The seeds needed for planting are taken from trees possessing a good habit. These trees ought to be protected against birds. Furthermore, a special type of pruning is used to induce the forming of heart-wood. In some cases, this can probably be done by pruning the roots or removing the "host" plants. First of all the trees of bad quality and the existing old trunks are ordinarily removed, and afterwards only the exploitable sound trees, which can be distinguished by the peculiar mark formation, are chosen for cutting. To prevent adulteration by other wood, e. g. "hao papi," "hao mollo," etc., it is necessary to stamp the logs. The

Careful exploitation of the sandalwood of the Island of Timor by the Dutch East Indian Government, looking to the bloom of full production many years hence, may in time mean a rivalry with the Mysore Government Monopoly which controls the sandalwood of this province of India. Whether the Dutch will go into the manufacture of sandalwood oil, however, is still uncertain, as past experience has proven oil production in Timor to be a financial failure.

marking seems to be desirable especially to encourage participation of buyers of other regions.

The Forest Service intend not to cut more wood during the first years than will be sufficient to pay the cost of protection, i. e. not more than 500 to 600 piculs of sandalwood. The large number of young trees guarantees increasing revenue if protection is well carried out.

In recent years the export of sandalwood has followed a downward track: again 161 tons in 1921, and 105 tons in 1922, only 87 tons were shipped to foreign markets in 1923. Germany, Hongkong and Holland were the principal countries of destination. Main shipping ports are Macassar and Kupang (Timor). From the former only 546 piculs (about 34 tons) were exported last year. In 1924, prices at Macassar fell from fl. 43 per picul in January, to fl. 38 in May-June of the same year. During the last six months, however, irregular, though small interest, for the product prevailed, prices rising again to fl. 40, being the same level as quoted at the end of 1923. It is a somewhat surprising circumstance to learn that in the region of great success in sandalwood production, the manufacture of the oil has hitherto proved a failure financially, and was in former years only practised on a small scale and by a very inferior process. As matters stand today, sandalwood oil is produced chiefly at Kanauj in Oudh, British India, which represents practically the only source of the true oil.

SWISS VAT DYE EXPORTS TO U. S. LARGER

The rapid recovery in the exports of aniline dyes from Switzerland to the United States during the first and second quarters of 1925 has been very noticeable, writes Consul Melvin M. Hitch, of Basle. In the first quarter the increase amounted to \$330,127 while in the second quarter exports to the United States were valued at \$347,553, which in comparison with \$117,122 for the second quarter of 1924 represented an increase of \$230,431.

Basle dye manufacturers are of the opinion that the increased use of vat colors in the United States is largely responsible for the increased exports. One of the Basle firms specializes in vat colors and is exporting large quantities to the United States. These colors are used principally for dyeing cotton goods and the improved conditions in the cotton trade in the United States have created a demand for more colors.

There are four firms in Basle engaged in the manufacture of aniline dyes and it is estimated that they produce about 15 per cent. of the world's output. Notwithstanding the low state of trade with the United States during 1924 their net earnings ranged from 10 to 44 per cent and with the revival of trade with the United States there is reason for believing that earnings for the present year will be greater.

The sale of nitrate lands in Chile has been postponed until Dec. 1 in the hope that foreign interest may be awakened and higher prices realized, according to a report to the Department of Commerce from Santiago. The proceeds of the sale are to go toward improving the rolling stock of the Iquique Pintados Railway, improving the port facilities at Iquique and assisting in the propaganda work of the Nitrate Producers Association, according to reports emanating from the Chilean Treasury Department.

Electric Storage Co., Philadelphia, has purchased a tract of land on Third street, near Paul avenue, San Francisco, and will erect a plant for the manufacture of electric storage batteries at an estimated cost of \$100,000.

CHEMISTS TO URGE SAFETY FIRST

The fourteenth annual safety congress under the auspices of the National Safety Council, will be held in Cleveland Sept. 28 to Oct. 2. On Tuesday morning, Sept. 29, there is to be a joint meeting of the chemical and rubber sections presided over jointly by A. L. Watson, Hooker Electrochemical Co., chairman of the chemical section, and E. L. Hewitt, Providence Safety Council, chairman of the rubber section. Prof. C. E. A. Winslow, Yale University, will present the report of the Benzol Poisoning Committee, E. R. Hayhurst, Ohio State Board of Health, will present a paper on "The Use of Carbon Tetrachloride vs. Carbon Disulfide in Industry," and Brig. Gen. Amos A. Fries, Chemical Warfare Service, will speak on "What the Chemical Industry of the Country Means to the Chemical Warfare Service."

At the first session of the Chemical Section, Sept. 30, discussions on safety kinks will be led by Ira V. Kepner, Pennsylvania Salt Co., M. L. Fellmer, Monsanto Chemical Works, E. C. Rogers, Grasselli Chemical Co., H. S. Balmert, Portsmouth By-Product Coke Co., and J. L. Kistner, Chemical Warfare Service. At the second session, Oct. 1, S. E. Whiting, Liberty Mutual Insurance Co., will deliver the report of the Industrial Poisoning Committee, Wm. F. Boos, a Boston toxicologist, will speak on "Experience with Certain Industrial Poisons," C. C. Perry, Aetna Life Insurance Co., will speak on "Static Electricity in Chemical and Other Industries," and a paper on the "Value of Accident Prevention Work in the Chemical Industry" will be read by an unnamed speaker. There will also be sessions of the Packers and Tanners Section, the Paper and Pulp Section, the Rubber Section, and the Textile Section that will be of interest to certain chemical groups. All sessions begin at 10 o'clock of the morning designated.

JAPAN FIGHTING SODA ASH MONOPOLY

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Tokyo, Aug. 1.—Consumption of soda ash in Japan, last year, amounted to nearly 270,000,000 pounds, while the production by domestic plants was only 30,000,000 pounds. Brunner, Mond & Co. supplied the difference. To compete with them Japan is trying to develop the Kwantung district with the help of the Oriental Colonization Co. and Asahi Glass Co. Imports from Kwantung are free of duty. Capital is needed, however, and ways must be found to prevent dumping of soda ash on the Japanese market.

Brunner, Mond & Co. will not give up their monopoly without a struggle. Prevention of dumping is of supreme importance for the successful exploitation of Japan's resources and business men interested in the venture have approached the Finance Office to introduce the necessary changes in the Tariff to check dumping.

Production of potash salts in Alsace, during the first six months of 1925 amounted to 542,000 metric tons compared with 527,000 metric tons and 480,000 metric tons during the corresponding periods of 1924 and 1923. In terms of K₂O, the production of this period of 1925 was the equivalent of 145,000 metric tons or an increase of 7.4 per cent and 22 per cent. over the output for the periods in the two preceding years.

Ciba Co., New York, has absorbed Aniline Colors & Chemical, Inc., Chicago, and has re-established the branches of the company in Chicago and in San Francisco under the management of J. B. Jones, president of the newly acquired company.



Industrial Chemical

SECTION



Predicts Fierce Contest for Dye Markets

U. S. Tariff Commission Outlines Germany's Plans for Recapture of Foreign Trade—U. S. Manufacturers Spent \$2,000,000 in Research Work in 1924, and, \$25,000,000 in the Period 1917 to 1924—Surplus Dyes for Export in 1924 Amounted to 16,000,000 Pounds—Increase in Number of Fast Dyes Produced in America Prices Lower—Imports and Exports

(Special to DRUG & CHEMICAL MARKETS)

Washington, Sept. 9—A price war for control of the dye markets of the world is predicted by the Tariff Commission in a summary of its annual census of dyes and other synthetic organic chemicals. In its report, compiled by the Chemical Division under the direction of W. M. Watson, color specialist, the commission gives as the principal reason for a decline in production in 1924 the depression in the textile industry. It shows that imports have increased sharply since the reduction in duty last September.

Output Declined 27 Per Cent

The decline in dye production in 1924 was 27 per cent compared with 1923. The total production of coal tar dyes by seventy-eight firms in 1924 was 68,679,000 pounds. The maximum output in 1923 was 93,667,524 pounds. The sales in 1924 totaled 64,691,433 pounds, valued at \$35,012,400. The pre-war output of seven firms in 1914 was 6,619,729 pounds, valued at \$2,470,096.

Germany Fighting for Trade

Germany is going after her pre-war trade vigorously, the commission states, and, in view of the tariff barriers, probably will seek foreign affiliations or branch plants in the United States and in Great Britain especially.

The domestic industry is making great strides in research and apparently will continue to do so, the commission says. The report continues:

"There was an exportable surplus in 1924 amounting to 16,000,000 pounds. More than 60 dyes were manufactured in 1924 which were not produced in the previous year. These products show that the industry has made marked progress during the year in producing many complex types, including dyes of high fastness for cotton, wool, and silk. Work now under way may be expected to add materially to the variety of dyes and other organic chemicals produced in this country.

Prices Drop 2 Per Cent

"The average price of all dyes sold in 1924—54 cents per pound—was a 2 per cent decline from that of the previous year. The average selling price in 1920 was \$1.08 per pound and in 1917, \$1.26 per pound.

"The 1924 output of dyes, grouped by classes according to the method of application, was as follows: Acid dyes, 9,187,256 pounds, or 13.38 per cent of the total output; basic dyes, 3,676,999 pounds, or 5.35 per cent; direct dyes, 14,662,577 pounds, or 21.35 per cent; lake and spirit soluble dyes, 967,550 pounds, or 1.41 per cent; mordant and chrome dyes, 2,953,987 pounds, or 4.3 per cent; sulfur dyes, 14,561,257 pounds, or 21.2

per cent; vat dyes, including indigo, 21,818,022 pounds, or 31.77 per cent; indigo, 19,996,703 pounds, or 29.12 per cent; other vat dyes, 1,821,319 pounds, or 2.65 per cent; unclassified and special dyes, 851,354 pounds, or 1.24 per cent.

"Under provisions of the tariff act of 1922, the ad valorem rate of coal-tar dyes and products covered by paragraph 28 was reduced from 60 to 45 per cent on Sept. 22, 1924, and the ad valorem rate on intermediates, paragraph 27, from 55 to 40 per cent. The specific duty remained at 7 cents per pound.

Increased Foreign Competition

"A rapid increase in the monthly imports after the reduction in duty indicates increased competition from foreign-made dyes. The imported dyes are almost entirely of German and Swiss manufacture and consist largely of the higher cost products. The average monthly import of dyes from October, 1924, to July, 1925, inclusive, was 458,960 pounds. This is an increase of 15 per cent over the monthly average of the first nine months of 1924 preceding the tariff reduction on dyes.

"Over \$2,000,000 was expended for research in coal-tar products in 1924. When the total value of the finished coal-tar products sold in the same year (\$56,000,000) is considered, it is probable that expenditures for investigation in this industry have been greater than in any other industrial field. The total research costs reported to the Tariff Commission have exceeded \$25,000,000 for the period 1917 to 1924. The remarkable accomplishments of the domestic dye and coal tar chemical industry in these years must be attributed in no small part to the large expenditures for research.

"The production of vat dyes other than indigo was 1,821,319 pounds in 1924, compared with 1,766,383 pounds in the previous year. Because of their exceptional fastness, these dyes are in increasing demand for cotton goods, subjected to the severe treatment of the modern laundry.

Imports and Exports

The total imports of coal-tar dyes in 1924 were 3,022,539 pounds valued at \$2,908,778, a slight decrease from the imports of the previous year. Of these imports, 50 per cent came from Germany, 30 per cent from Switzerland, and the remainder from England, France, Italy, and other countries. The vat dyes comprised nearly 50 per cent of all dyes imported.

"In the event that the German firms do not establish branch plants in Great Britain and the United States, two methods are open for their pursuance of commercial warfare against the dye industry of these countries: (1) An attack on their export trade, and (2) a direct attack by price cutting in the home markets on certain lines of key products. Both methods of procedure are reported to have been adopted in 1925. In the United States, since the tariff reduction of 15 per cent ad valorem on Sept. 22, 1924, a sharp increase in imports of the higher priced dyes has taken place."

The Heavy Chemical Market

Chemical Current Spot Quotations for Heavy Chemicals, see pages 710-728

BUTYL ALCOHOL DOWN $\frac{1}{2}$ c LB. FOR SEPT.

Formic Acid Slightly Firmer—Imported Calcium Chloride Weak—Barium Salts Unchanged—Copperas Easy—Copper Sulfate Steady—Sodium Nitrate Firm—White Ammonium Chloride Easier—Sodium Sulfide Firm—Increased Inquiry on Entire List

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

Acid Formic, $\frac{1}{2}$ c lb.

Declined

Alcohol Butyl, $\frac{1}{2}$ c lb.

Ammonium Chloride, White, $\frac{1}{4}$ c

Trend of the Market

| | Today | Last Week | Last Month | Last Year | War Peak | Pre. |
|------------------------------|-------------------|-------------------|-------------------|-------------------|----------|-------------------|
| Acetic Acid, Glacial ..lb. | .10 | .10 | .10 | .11 | .19% | .07 |
| Sulfuric Acid, 66 deg..ton | 14.00 | 14.00 | 14.00 | 14.00 | 35.00 | 20.00 |
| Ammonium Sulfate, 100lbs. | 2.75 | 2.75 | 2.75 | 2.50 | 7.50 | 2.65 |
| Bleaching Powder, 100lbs. | 1.90 | 1.90 | 1.90 | 1.90 | 9.50 | 1.50 |
| Copper Sulfate, c/1 100lbs. | 4.45 | 4.45 | 4.45 | 4.60 | 20.00 | 4.50 |
| Potash, Caustic, Imp...lb. | .07 $\frac{1}{2}$ | .07 $\frac{1}{2}$ | .07 $\frac{1}{2}$ | .06 $\frac{3}{4}$ | .87 | .08 |
| Soda Ash, 58 p.c....100lbs. | 1.94 | 1.94 | 1.94 | 1.94 | 3.50 | .60 |
| Caustic Soda, 76 p.c.100lbs. | 3.66 | 3.66 | 3.66 | 3.66 | 9.50 | 1.42 |
| Potassium Bichromate..lb. | .08 $\frac{1}{2}$ | .08 $\frac{1}{2}$ | .08 $\frac{1}{2}$ | .08 $\frac{1}{2}$ | .65 | .06 $\frac{1}{4}$ |
| Sodium Prussiate Imp..lb. | .10 $\frac{1}{2}$ | .10 $\frac{1}{2}$ | .10 $\frac{1}{2}$ | .09 $\frac{1}{4}$ | 1.25 | .18 |

Average 2.906 2.906 2.906 2.901 10.79 2.99

Inquiries were more numerous with the passing of the holidays and indications for an active Fall market were present in most quarters. Imported materials remained in practically unchanged positions and prices were very firm with few exceptions. Domestic manufacturers are reporting a sustained demand for practically the entire list of products and prices are unchanged. Calcium chloride is quoted at firm unchanged prices by domestic makers. Importers report a weakening tendency and indicate that the recent syndicate price is not being adhered to in many instances. Barium chloride is still offered at low prices for shipment and the spot market varies from day to day according to who holds material on the dock. A slightly firmer market is reported for formic acid, although the situation is still far from satisfactory. Butyl alcohol has been reduced by the makers for September deliveries owing to lower grain markets.

Acetone—Firm market continues to be reported by makers who quote unchanged prices.

Acid Formic—Market slightly firmer and leading factors quote 90% acid at 10 $\frac{1}{2}$ c@11c lb.

Acid Lactic—Routine demand of moderate proportions reported on all grades. Prices show no variation.

Alcohol Butyl—Domestic manufacturer has lowered quotations $\frac{1}{2}$ c for September deliveries and quotes on contract: tank cars 24c lb; carlots of drums 24 $\frac{1}{2}$ c lb; less than carlots 25c lb. Spot prices are 1c lb above contract prices.

Alum Potash—Market remains in a steady condition and quotations on imported and domestic products are unchanged.

Ammonium Chloride—White material fairly steady at 6c lb although in some directions material is being offered at 5 $\frac{3}{4}$ c lb. Gray is holding at 6 $\frac{3}{4}$ c lb.

Arsenic—Dull situation continues and quotations show no change although it is difficult to tell just what price would be accepted since there is practically no buying.

Barium Salts—Chloride is still offered for shipment by importers at \$54.00@\$55.00 ton. Spot material ex-store is rather firm at \$58.00@\$60.00 ton. Goods ex-dock are offered on arrival as low as \$54.00 ton according to the strength of the holder. Carbonate is quoted at \$47.00 ton for spot goods, and shipment is offered at recent low figures. Hydrate is steady at 4 $\frac{1}{2}$ c@5c lb.

Calcium Chloride—Domestic makers quote firm unchanged prices for all grades. Imported fused material, the syndicate price for which was recently raised to \$21.00 ton which is the price of the domestic, is now offered as low as \$19.00 ton for shipment.

Copperas—Fairly steady position reported as to prices although in some sections of the country goods are being offered as low as \$10.00 ton for bulk.

Copper Sulfate—Market holding at recent levels due to a fair demand. Large crystals are being held at \$4.45@\$4.50 100 lb by leading makers, and small and unscreened crystals are being offered at \$4.30@\$4.35 100 lb.

Glauber's Salt—Steady movement of supplies reported by both domestic makers and importers who quote firm unchanged prices.

Epsom Salt—Good demand for technical material is reported by makers. Imported material remains in a weak condition.

Potassium Carbonate—Prices firm and unchanged on all grades and a continued active demand is reported by importers.

Potash Caustic—Prices firm in all directions due to a heavy consuming demand.

Potassium Bichromate—Manufacturers report a firm market although prices have shown no change.

Potassium Chlorate—Increased activity reported over the week and prices are firm in all quarters.

Soda Ash—Makers report steady contract withdrawals and report no accumulation of stocks in any direction.

Sodium Bichromate—Market in a firm condition and prices are being stoutly maintained in all transactions by all makers.

Soda Caustic—Market remains in a firm condition due to a demand practically equal to production and stocks are not of more than comfortable proportions.

Sodium Cyanide—Imported and domestic products are in steady demand and prices are firm and unchanged in all quarters.

Sodium Fluoride—Easy condition continues and importers and domestic makers quote unchanged prices.

Sodium Nitrate—Spot market very firm at \$2.50 100 lb. Shipment is also firm at the same price.

Sodium Prussiate—Market quiet although a heavy consuming demand is being supplied by domestic makers who quote firm unchanged prices.

Sodium Sulfide—Domestic makers report a ready demand for all offerings and quote prices firm and unchanged on all grades. Imported material is offered at rather low prices for shipment.

Air Reduction Co. has declared an extra dividend of \$1., making the total distribution for the year \$5. a share. From present indications earnings in 1925 should considerably exceed last year when net profit was \$1,635,221, equal to \$8.56 on 191,014 no par common shares, and should compare favorably with 1923 when \$2,138,023, equal to \$12.31 a share on 173,586 shares, was earned.

James J. Loughery, founder and former treasurer of American Ammonia Co., Boston, has filed suit for \$250,000 against the Central Trust Co., Cambridge, and four individuals, on the ground that he was robbed of control of the company through a conspiracy.

Standard Chemical Co., Ltd., Canada, postponed their annual meeting, scheduled, for July 30, on account of the conditions of the business, and M. L. Davies, the new president, went to London to discuss the affairs of the company with the English shareholders.

Imports of sodium cyanide amounted to 65,513 pounds, valued at \$8,641 in June. Imports of caustic potash were 681,193 pounds, valued at \$40,773. During June also 44,435 pounds of sodium prussiate, valued at \$3,451, were imported.

Antimony shipments from Shanghai during the first half of July, included 16 tons of oxide and 28 tons of regulus to New York and one ton of regulus to San Francisco, according to a cablegram from Trade Commissioner Howard.

Arkansas Fertilizer Co., East street, North Little Rock, Ark., will extend its plant and install machinery to double the present capacity. The improvements are estimated to cost \$65,000. E. E. Newhouse is vice-president in charge.

International Agricultural Corporation, 61 Broadway, New York, is said to have completed negotiations for the purchase of the plant of Tupelo Fertilizer Co., Hollywood, Miss., and contemplates extensions and betterments.

Chipman Chemical Engineering Co., Bound Brook, N. J., has leased property on the Ravenswood spur of the Southern Pacific Co. near Palo Alto, Cal., and will fit up a plant to replace the one burned at Martinez recently.

American Cyanamid Co., has declared an extra dividend of $\frac{1}{2}\%$ on the common stock in addition to quarterly dividends of 1% on the common stock and $1\frac{1}{2}\%$ on the preferred stock, payable Oct. 1 to stock of record Sept. 15.

Harshaw, Fuller & Goodwin Co., has been awarded a contract by the Bureau of Supplies & Accounts, Navy Department, Washington, D. C., for furnishing 5,000 pounds of linoleate manganese at \$1,100.

The American Electrochemical Association will hold its Fall meeting at Chattanooga, Tenn., Sept. 24 to 26. A trip will be made to Muscle Shoals on Sept. 26.

Standard Chemical Works of Reading, Pa., has leased the plant formerly operated by the Home Fertilizer Company in Baltimore, and is running it.

GLACIAL ACETIC ACID HIGHER IN JAPAN

Advances in prices of many chemicals in Japan are reported. Glacial acetic acid, which slumped under selling pressure, recovered 5 sen per 20 kilogrammes to 42 sen on a price agreement to become operative Aug. 1. Pyramidon and corrosive sublimate are about 15 sen up per lb and normal hydrochloride 2 sen per 28 grammes. An advance of yen 35 per lb in santonin to yen 460 has taken place on the report of a jump abroad.

A decline is noted in chemicals out of season. Milk-sugar has been marked down 2 sen per lb, and boric acid yen $2\frac{1}{2}$ per 100 kilogrammes. Concessions of 10 to 20 sen are being made on tartaric acid, bromide of potash, aspirin, creosote carbonate, cacao oil and copaiba balsam. Santal oil is again 50 sen down at yen $21\frac{1}{2}$.

The Treasury Department has allowed drawback on amyl acetate, grade 10, manufactured with the use of imported standard amyl acetate in combination with butyl acetate; on butyl acetate manufactured with the use of imported butyl alcohol in combination with acetic acid; on dibutylphthalate manufactured with the use of imported butyl alcohol in combination with domestic phthalic anhydride; on amyl acetate manufactured with the use of imported crude fusel oil in combination with domestic acetic acid; and on refined fusel oil manufactured from imported crude fusel oil by Kessler Chemical Co., Orange, N. J.

Du Pont de Nemours fellowship in chemistry at Ohio State University was awarded to Henry C. Carlton for 1925-26. Grasselli fellowship was awarded to Lloyd C. Swan of Alliance, a graduate of Ohio Wesleyan University. Stillman W. Robinson fellowship in engineering was awarded to A. Ward Ross of Columbus, and the three new Bureau of Mines fellowships were awarded to Henry G. Fisk of Los Angeles; Ralph J. Paddock of Cheboygan, Mich., and Harold E. Simpson of Columbus.

Japan's second National Chemical Industrial Exhibition will be held in Tokyo beginning March 19, 1926, and lasting two months, under the auspices of the Japan Chemical Industrial Association supported by the Government. The enterprise aims to encourage national industries by placing special emphasis on Japanese goods. For this purpose, foreign made goods will be placed side by side with home made goods to show that Japanese goods are as good or even superior to those made in other countries.

Merrimac Chemical Co., Everett, Mass., will rebuild the portion of its storage and cooerage department destroyed by fire, Aug. 18, comprising two three-story structures, used for the most part for sulfuric and muriatic acids. The company recently awarded a contract for a new two-story manufacturing addition 75 by 142 ft., estimated cost in excess of \$80,000.

Methanol imports in July amounted to 7,847 gallons, valued at \$3,865, according to C. C. Concannon, chief of the Chemical Division, Department of Commerce. For the first quarter of 1925 the imports were 122,906 gallons, valued at \$56,422. Second quarter imports were 185,178 gallons, valued at \$84,622. For the entire year 1924 only 48 gallons were imported, value \$29.

Commissioner of Agriculture William A. Graham has informed all fertilizer companies doing business in North Carolina that he will rigidly enforce the law requiring that fertilizers must bear tags showing the percentage and source of ammonia and potash. This information is not to be placed on the tax paid tag, but must appear on a separate tag.

The Intermediate and Dye Market

Current Spot Quotations for Intermediates, see Chemicals pages 710-736

PARA-NITROANILINE WEAKENS FURTHER

Sales Made as Low as 55c—Pyridine Declines Again—Benzene Steady and Prices are Firm—Other Light Oils Firm—Phenol Quiet—Cresylic Acid Weak—Demand for Intermediates of Small Routine Character—Prices on Majority Firm—Shading Indicated on a Few

PRICE CHANGES IN NEW YORK

(Stocks in First Hands)

Advanced

No Advances

Declined

Para-Nitro-Aniline, 2c lb. Pyridine, 10c gal.

Trend of the Market

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|----------------------------|-------|-----------|------------|-----------|----------|---------|
| Benzene, puregal. | \$.25 | \$.25 | \$.25 | \$.25 | \$1.10 | \$.25 |
| Naphthalene flakelb. | .04½ | .04½ | .04½ | .05 | .16 | .03 |
| Phenol Spotlb. | .22 | .22 | .22 | .25 | 1.50 | .08 |
| Toluenegal. | .26 | .26 | .26 | .26 | .. | .. |
| Aniline Oillb. | .16 | .16 | .16 | .16 | 1.40 | .10½ |
| Alpha-naphthylamine .lb. | .35 | .35 | .35 | .35 | 1.28 | .. |
| Benzaldehydelb. | .70 | .70 | .70 | .70 | .. | .. |
| Betanaphthollb. | .24 | .24 | .24 | .24 | 1.50 | .08 |
| Dimethylanilinelb. | .32 | .32 | .32 | .35 | 1.30 | .. |
| Paranitroanilinelb. | .55 | .57 | .57 | .68 | 1.68 | .18 |
| Average | 0.310 | 0.312 | 0.312 | 0.331 | .. | .. |

Production of light oil distillates holds up well and with the steel companies booking orders in excess of their rate of production, an increase is certain. The strike in anthracite mines has made for an increased output of domestic coke and larger amounts of light oils will soon be coming from this direction. Industrial demand is very steady and prices are being maintained without difficulty on all products, despite the rather serious break in the gasoline market. The drop in gasoline has brought the market more nearly to normal, since the sales of pure products for use in motor fuel blends were of an abnormal nature. Pyridine is easier on spot although there is no change in the foreign situation, and holders state that only a slight demand is needed to advance prices and tighten the market again. Phenol is easy and very little interest is present. Cresylic acid is weak and recent low prices are accepted for spot goods.

Interest in intermediates continues to lag and manufacturers are reporting only a moderate demand of routine character. Prices on the great majority of items are firm. Para-nitroaniline remains a weak spot as new makers continue to attempt to displace old firms as the source of supply of this product.

Crudes

Benzene—Market very steady and distributors are having no difficulty in obtaining schedule prices for all available supplies. Industrial demand holds up well as does production. Output is expected to increase shortly owing to increased orders for steel and increased demand is very steady and prices are being maintained strike. Demand for motor benzene remains heavy but prices being paid are now below pure prices and market is more nearly normal. Quotations are unchanged at 24c gal. for 90%; and 25c gal. for pure in tanks at mills; drum lots 5c. gal. higher.

Cresylic Acid—Market remains weak due to large spot stocks being in the hands of low-priced sellers and drums of 97-99% pale acid are still available at 54c gal. Dark acid is lacking in interest and prices are given over a wide range.

Naphthalene—Nothing new in the situation and makers continue in possession of large stocks with the season over.

Phenol—Market easy and makers are generally anxious to take on much more business but are unwilling to shade prices to any extent in order to secure it. At present there is a moderate demand of routine character and prices are being maintained.

Pyridine—Spot market lower due to some holders apparently becoming worried over lack of demand and selling single drums at \$4.50 gal. drums included. The situation abroad has undergone no change and spot supplies are sure to bring higher prices as soon as a fair-sized inquiry comes into the market.

Solvent Naphtha—Market steady at last week's advance and distributors report demand and supply quite well balanced at present.

Toluene—Prices firm in all directions although supplies are immediately available.

Xylene—All grades moving in a steady manner and prices are firm and unchanged in all quarters.

Intermediates

Acid Cleve's—All manufacturers are quoting firm unchanged prices and reporting a steady demand.

Acid N & W—Steady market reported by manufacturers who quote unchanged prices and report a fair-sized routine demand.

Alpha-Naphthol—Prices show no change in any direction and only a slight demand is reported by makers.

Alpha-Naphthylamine—Quiet situation prevails in this intermediate but manufacturers remain firm and quote unchanged prices.

Aniline Oil—Routine demand of only fair size is reported by makers who are anticipating increased activity toward the end of the present month.

Beta-Naphthol—Fairly brisk demand reported and makers continue to quote firm unchanged prices in all transactions.

Dimethyl-Aniline—Contract withdrawals are of satisfactory proportions and manufacturers quote firm prices of 32c lb for carlots, and 33c@34c lb for less than carlots.

Dinitro-Benzene—Makers report a fairly steady condition although here and there evidence of slight shading is reported. Demand is not of very large proportion.

Dinitro-Toluene—Large producers are unchanged in their quotations of 18c@19c lb, and are unwilling to meet competition which is reported to have been experienced at as low as 16c lb.

Para-Nitro-Aniline—Sharp competition from new makers continues to keep this market in a weak condition and sales are reported at as low as 55c lb. At present the range is 55c@58½c lb as to sellers and quantity.

WHAT THE GERMANS CHARGE FOR DYES

Prices of German dyestuffs current in June for domestic consumption and for export, according to a report received by the Department of Commerce were as follows:

| | Price per pound Ex-Works |
|----------------------------------|-----------------------------|
| Alizarine Orange E. Paste , | \$0.33 |
| Sulphide Violet V | 1.55 |
| Thionine Blue GO | 1.50 |
| Fast Acid Violet B | 2.91 |
| Indigo MLB-6B powder | 1.55 |
| Diphenyl Black Base I | 1.55 |
| Acid Violet 6B | 1.10 |
| Rhodamine B extra | 2.27 |
| Metachrome Blue Black 2BX | 0.64 |
| Fur Yellow 4G | 1.23 |
| Guineau Fast Green 3B | 0.92 |
| Fur Blue Black B | 1.23 |
| Brilliant Congo R | 0.59 |
| Wool Blue G extra | 0.95 |
| Hydron Orange RF paste | 0.86 |
| Alizarine Red PS powder | 0.96 |
| Helidone Green IGG powder | 2.39 |
| Helidone Reddish Violet IRH | 0.86 |
| Rosazeine 6GD extra | 3.87 |
| Sulpho Rosazeine B extra | 4.93 |
| Neutral Violet O | 1.82 |
| Fast Cotton Red 8BL | 1.02 |
| Zambesi, Black D | 0.44 |
| Columbia Black FB 2550 | 0.49 |
| Milling Red GA | 0.88 |
| Ponceau 3R | 0.32 |
| Milling Orange G | 0.57 |
| Fast Cotton Grey VL | 0.76 |
| Phosphine 3R | 1.10 |

| | Price per pound c.i.f. |
|-------------------------------|---------------------------|
| Ink Blue BJTN | 1.78 |
| Alizarine Blue Black B powder | 1.00 |
| Vat Pink B double paste | 1.94 |
| Anthra Wool Brown GM vat | 1.49 |
| Anthra Wool Yellow CG vat | 0.99 |
| Alizarine VI extra pure | 0.17 |
| Patent Phosphine RRDY | 1.41 |
| Patent Phosphine GRNTN | 1.52 |
| Cotton Black RW extra | 0.93 |
| Alaska Black IOBX | 0.99 |
| Brilliant Indigo 4B paste | 0.33 |
| Rapid Fast Pink LG paste | 0.48 |

Chinese dyers are tending more and more toward foreign synthetic dyes and away from vegetable dyes, according to vice consul Granville Woodward, Tientsin. Germany is making a strenuous effort to regain the trade lost during the war and at present is supplying about 75 per cent of the requirements and the United States about 15 per cent.

"Dyestuffs," the monthly published by National Aniline & Chemical Co., contains in the August issue two articles of interest to the paper trade, "Dipping and Calender Staining of Paper," and "Design Printing of Wall-Paper".

American Chemical & Cellulose Mfg. Co., Ltd., Cumberland, Md., announces a substantial reduction in the price of S. R. A. dyes, following a material increase in production.

New England Aniline Works, Inc., Boston, filed report for the year 1924 showing a profit of \$139,451; accrued interest \$5,000 and total assets and liabilities \$667,056.

DYE IMPORTS LESS IN AUGUST

Total For Eight Months, However, More Than Double Imports in 1924

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept 9.—Dye imports during August amounted to 330,674 pounds, valued at \$303,612, compared with 80,396 pounds valued at \$87,014 in August, 1924, **which was on the eve of the automatic reduction in duty** which took effect Sept. 22. The total in August, however, is the smallest in both quantity and value of any month of 1925. Receipts thus far in 1925 are more than double imports for the corresponding period of 1924. The total for the eight months of 1925 is 3,509,668 pounds valued at \$3,317,071, as compared with 1,440,035 pounds valued at \$1,470,456 in the same eight months of 1924.

Of August importations, 51.5 per cent came from Germany; 36 per cent from Switzerland; 4 per cent from Italy; 3 per cent each from England and France; 1 per cent each from Belgium and Canada; and one-half of 1 per cent from Holland.

Of the total, 306,482 pounds were entered at New York; 13,553 at Albany, 10,539 pounds at Boston, and 100 pounds at Milwaukee. The five leading dyes by quantity, imported during August were: Rhodamine B (single strength), 19,470 pounds. Alizarin light blue B, 13,006 pounds. Rhodamine 6 G (single strength), 12,970 pounds. Brilliant indigo 4, B paste, 10,261 pounds. Purpurine, 10,161 pounds. Coal tar dyes and colors in bonded customs warehouses on July 31 aggregated 775,916 pounds and coal tar intermediates, 1,378,837 pounds.

Other imports during August consisted of 55,386 pounds of medicinals, intermediates, photographic developers and other coal tar products, and 6,317 pounds of color lakes, valued at \$2,677.

Imports into Canada of aniline and coal tar during June were as follows: From Britain, 8,341 lbs., value \$4,601; United States, 90,972 lbs., value \$56,489; Germany, 66,487 lbs., value \$4,574; Sweden, 6,300 lbs., value \$3,837; Switzerland, 18,913, lbs., value \$10,452; Other countries, 3,501 lbs., value \$1,503; total 194,523 lbs., value \$131,456; compared with imports from Britain in June, 1924; 21,395 lbs., value \$9,812; United States, 117,544 lbs., value \$67,883; Germany 40,884 lbs., value \$32,704; Netherlands, 5,200 lbs., value \$4,332; Sweden, 2,300 lbs. value \$1,663; Switzerland, 13,491 lbs., value \$7,244; Total 200,818 lbs. value \$123,638.

There is little likelihood of the sale to foreign interests of the 1,700,000 shares in British Dyestuffs Corp., held by the British Government, according to Trade Commissioner Mitchell. The most probable procedure will be turning over these shares to the corporation, followed by a reorganization with the continuance of government directorship.

Anchor Color and Gum Works, of Dighton, Mass., and Providence, R. I., have issued their annual report for the year ended Dec. 31, as follows: Assets: Real estate, \$112,364; machinery, \$63,398; total, \$177,762. Liabilities: Common stock, \$25,005; accounts payable, \$152,762; total, \$177,762.

W. A. Clark, president Sek-Reliance Corp., Covington, Ky., recently incorporated, announces the purchase of Reliance Textile and Dye Works. The new company is capitalized for \$500,000 and will dye and finish cotton piece goods. The capacity is 50,000 yards.

Great Northern Fur Dyeing and Dressing Corp., Queens, L. I., has increased its capitalization from \$500 to \$1,200,000.

The Oil Market

Current Spot Quotations of Oils, Greases, pages 728-729

COTTONSEED OIL RECOVERS; FOOTS UP

Rapeseed Oil Remains Firm—Chinawood Oil Steady—Linseed Oil Advanced—Perilla Oil Higher—Palm Kernel Oil Up—Palm Oil Firm—Soya Bean Unchanged—Oleo Oil Lower—Greases Advance—Crude Cottonseed Oil Remains Weak—Tallow and Whole Market Strong

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

| Advanced | |
|---------------------------------|-------------------------------|
| Cottonseed Oil, P.S.Y., ½ c lb. | Olive Oil Foots, ¾ c lb. |
| Grease, Yellow, ¾ c lb. | Palm Kernel Oil, ¾ c lb. |
| Brown, ¾ c lb. | Perilla Oil, ¾ c lb. |
| Linseed Oil, 2c gal. | Soya Beau Oil, bbls., ¾ c lb. |

| Declined | |
|--------------------------------|--------------------------|
| Cottonseed Oil, Crude, ¾ c lb. | Oleo Oil, No. 1, ¾ c lb. |
| | Oleo Oil, ¾ c lb. |

Trend of the Market

| | Last | Last | Last | War | Pre- |
|--------------------------------|-------|-------|-------|-------|--------|
| | Today | Week | Month | Year | War |
| Cod Oil, N. F. gal. | \$.62 | \$.62 | \$.62 | \$.50 | \$1.26 |
| Degras, American, bbl. lb. | .04% | .04% | .04% | .04% | .23 |
| Lard No 1 gal. | .89 | .89 | .96 | .88 | 2.90 |
| Menhaden, crd tks gal. | .50 | .50 | .53% | .50 | 1.20 |
| Neatsfoot, 20 deg, c.t. gal. | 1.24 | 1.24 | 1.26 | 1.46 | 8.45 |
| Red Oil, distilled lb. | .12% | .12% | .12% | .09% | .17 |
| Stearic Acid, T. P. lb. | .17 | .17 | .17 | .13% | .33 |
| Coconut, Ceylon bbls. lb. | .10% | .10% | .10% | .10% | .30 |
| Cottonseed, crude, tanks. lb. | .08 | .08% | .09% | .08% | .25 |
| Linseed, crude gal. | 1.05 | 1.03 | 1.03 | 1.02 | 1.85 |
| Olive, denatured lb. | 1.18 | 1.20 | 1.18 | 1.25 | 4.50 |
| Peanut, refined lb. | .15 | .15 | .15 | .17 | .30 |
| Soya Bean bbls. lb. | .13% | .13 | .13 | .12% | .19% |
| Average | 4.83 | 4.82 | 4.90 | 4.88 | 5.92 |

Vegetable oils strengthened very materially during the week and many advances were recorded while declines were few and of practically no significance. With the advent of a heavy Fall demand at hand, and spot stocks of virtually the whole line of imported oils at a low point, dealers were anxious to take on additional holdings so that their regular consumers will not be caught short when they are in need of supplies. Prime summer yellow cottonseed oil remains in a weak state. Considerable firmness has been injected into the spot market for olive oil foots, due to the higher shipment prices quoted.

Paint and varnish oils are firm and chinawood oil pursues an uninterrupted course with prices at the same figures. Linseed oil is higher, although shading is probable as seed markets have weakened somewhat since the advance. Perilla oil is higher. Rapeseed oil is very strong and the market is firm despite rather heavy arrivals. Soya bean prices remain high and only slight interest is displayed.

Animal oils are still in a strong position and supplies of tallow are such that many factors in the trade anticipate a 10c market before the end of the year. This is expected to support the whole animal oil and fat market to quite an extent.

Vegetable Oils

Castor Oil—Demand remains of light proportions and the market is in a weak condition.

Chinawood Oil—Steady conditions continue to prevail in this product and importers quote firm unchanged prices.

Coconut Oil—Very firm situation reported on all grades. Spot stocks small and importers are having no difficulty in obtaining quoted prices.

Cottonseed Oil—Crude oil has declined further due to small demand. Prime summer yellow oil has recovered rather sharply and Sept. oil is quoted at 10¾c @10.85c lb. Futures are all higher and are quoted as follows: Oct. 10.51c@10.53c lb; Nov. 10.05c@10.14c; Dec. 10.15c@10.18c; Jan. 10.23c@10.24c; Feb. 10.25c@10.32c; March 10.41c@10.43c; April 10.43c@10.55c lb.

Linseed Oil—Unsettled condition continues, and this week the crushers advanced prices owing to advances in the seed markets. Seed prices eased off at the close of the week and it seems possible that shading of quotations might be entertained by crushers. Consumers continue to hold off until the market takes a definite turn one way or the other. Crushers quote \$1.05 for carlots of barrels. London quotes oil at 40c 6d; and Antwerp quotes 425f. Seed markets are quoted as follows: Winnipeg Oct. \$2.36; Dec. \$2.30; May \$2.37½; Duluth Sept. \$2.61; Oct. \$2.61½; Nov. \$2.61¼; Dec. \$2.60; Minneapolis Sept. \$2.56; Dec. \$2.57½; Buenos Aires Oct. \$2.08¾.

Olive Oil—Market remains firm at recent advance owing to the threatened embargo and holders of spot stocks of denatured oil continue to quote \$1.20@1.25 gal. as to quantity.

Olive Oil Foots—Spot market very firm at higher quotations of 8¾c@8½c lb owing to the strength of shipment prices. Italian foots for shipment are firm at 8¾c@8¾c lb, and Spanish are offered at 8¾c@8¾c lb.

Palm Kernel Oil—Market strong and prices are higher with holders of goods quoting 11¾c lb for spot barrels.

Perilla Oil—Slightly firmer conditions reported and spot barrels are quoted higher at 15¼ c lb.

Palm Oil—Market firm with genuine Lagos offered at 9¾c lb, French Lagos at 8¾c lb, and Niger at 8.90c lb for spot.

Rapeseed Oil—Although rather heavy arrivals were reported during the week, the spot market is firm at \$1.02@1.05 gal. Shipment remains at 98c gal.

Soya Bean Oil—Prices remain firm and interest is slight due to the high levels of the market.

Animal Oils

Greases—White grease remains in heavy demand and makers continue to quote 15¼c@15½c lb. Brown has advanced to 9¾c lb, and yellow is also higher at 9¾c lb.

Oleo Oil—Easier situation reported and makers offer No. 1 grade at 17c lb, and No. 2 at 13¾c lb.

Red Oil—Makers report a steady outlet for all supplies and quote firm unchanged prices.

Stearic Acid—Very satisfactory demand reported by makers who quote firm unchanged prices for all grades.

Tallow—Factors are of the opinion that stocks of tallow in makers' hands are rather small, and with a brisk Fall demand about to be realized, they feel that a 10c market will be experienced within the next two months. At present the market remains at 9¾c lb.

OILS FOR SOAP IN GOOD DEMAND

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Milan, Italy, Aug. 26—The Italian essential oil market is fairly active despite the reduction in the value of the lira, and the advanced season. The recent action of the Italian Government abolishing the tax on the production of soap, will give a new impulse to the industry. The variations of quotations per kilo were as follows on the Milan market in July and August:

| | Sweet orange Lire | Bitter orange Lire | Bergamot oil Lire | Lemon Lire |
|---------------|----------------------|-----------------------|----------------------|---------------|
| July 20 | 130-140 | 125-130 | 230-240 | 85-95 |
| July 29 | 120-125 | 190-205 | 190-205 | 55-65 |
| Aug. 3 | 130-140 | 130-135 | 260-275 | 85-92 |
| Aug. 10 | 125-140 | 130-135 | 275-285 | 84-92 |

Prices per kilo for other essentials oils are as follows: Java citronella, 75 lire; Ceylon citronella, 42 lire; Italian lavender, 280 lire; Piedmontese peppermint, 650 lire; angelica roots, 1,000 lire; anis, star brand, 43 lire; basilicum, 1,000 lire; cajeput, 95 lire; Roman chamomiles, 1,300 lire; Ceylon cinnamon, 480 lire; Ceylon cardamom, 1,900 lire; cloves, 115 lire; African geranium, 280 lire; Italian petit grain, 230 lire; Italian rosemary, 30 lire; natural mustard seed, 390 lire; ylang ylang, 550-800 lire.

W. H. Eastman, vice-president of Wm. O. Goodrich Co., reports considerable headway in his effort to change the selling unit of linseed oil from a 7½c lb gallon to a pound. The trade press is in favor of the change and are strongly urging it. Paint and varnish clubs are likewise urging its adoption. Among the associations that have put themselves on record are: National Paint Oil & Varnish Association, National Varnish Manufacturers' Association, Paint Manufacturers' Association, Committee D-1 of American Society Testing Materials. The following well-known men in the industry have expressed approbation of the change: Ernest T. Trigg, John Lucas & Co.; Ludington Patton, Pittsburgh Plate Glass Co.; Geo. A. Martin, Sherwin-Williams Co.; J. W. Daniels, Archer-Daniels-Midland Co.

The production of menhaden oil in the United States during 1924 was 29,429,280 pounds, a net decrease of 26,530,958 pounds under the 1923 figures according to the Department of Commerce. Total consumption for the same years was 34,288,276 pounds and 55,373,236 pounds.

The paint business is active in Japan, and the large mills are running to full capacity. The demand is fair and large orders have been placed by government offices. Prices are stationary, a rise being considered inopportune at this time when quick turnover is needed.

The Newark Varnish Works, Newark, N. J., has been purchased by Herbert G. Clopper and Herbert G. Sidebottom. The purchasers are planning to extend the business, continuing all the old lines handled by the company and adding new ones.

Borne, Scrymser Co., has declared an extra dividend of \$4 a share in addition to the regular semi-annual dividend of \$4., both payable Oct. 15 to shareholders of record Sept. 26.

A judgment against State Paint & Varnish Co., Inc., New York, for \$518.49 has been filed in New York county by Valentine & Co.

Palmolive Co., has announced its policy of selling direct to retail sellers in the Metropolitan district, eliminating jobbers.

USE OF SOYA BEAN OIL INCREASING

Soap Makers Find It a Good Substitute for Cottonseed Oil—Used in Paints

The chief use to which bean oil has been put in Europe and America is in the manufacture of soap. The increasing price of cottonseed oil has made it necessary for soap manufacturers to find a suitable oil as an alternative, and bean oil with its low price furnished the answer. Since business began to expand, the price of bean oil has increased somewhat, but it is still cheaper than other vegetable oils, and while it is not as uniform in character as cottonseed oil and is more likely to become rancid, it is now firmly established in the soap trade.

Refined bean oil is used in the preparation of various edible goods, chiefly salad oil, tinned fish, and in the manufacture of toilet powders, paint oils, lubricating and lighting oils. Experiments have shown that it can be mixed with linseed oil for the preparation of paints and varnishes in the ratio of one part bean oil to three parts linseed oil without appreciably affecting the quality or the properties of the paint or varnish.

During the war an enormous amount of bean oil was used in the production of glycerin, which in normal times is a by-product of the soap factory as it results when the vegetable oils are saponified. The glycerin was used in the manufacture of nitro-glycerin and other explosives.

During the last five years prices of Java beans have materially decreased, averaging last year florins 10.83 and florins 10.05 per picul for white and black beans respectively, whereas for the four preceding years they were as follows: 1923, florins 11.11 and florins 10.49; 1922, florins 12.62 and florins 12.37; 1921, florins 14.58 and florins 13.90; 1920, florins 16.91 and florins 15.51.

The production during 1924 was estimated at 1,588,000 piculs (1 picul=136 lbs), against 1,575,000 piculs in 1923.

The palm oil industry is being rapidly developed in Medan, Dutch East Indies, according to the "Indian and Eastern Druggist," London. Assuming that the average yield per hectare, is 1,375 kilograms, the total production for 1925 should be 8,000 metric tons. Knowing the plantings of the last few years, and working on the fact that the trees begin bearing appreciably when they are five or six years old and reach maximum production at the age of eight, the yield from present areas should increase to 38,000 tons in 1933. Other areas are also being planted and after 1931 they will have to be taken into consideration.

An allowance of drawback is announced by the Treasury Department, on synthetic gum manufactured by Bakelite Corp., New York, with the use of imported phenol in combination with formaldehyde manufactured with the use of imported alcohol and covered by drawback rates now existent, or which may be promulgated in the future, and on synthetic gum compound manufactured by the same corporation with the use of synthetic gum.

Exports of Chinawood oil from Hankow during the month of July amounted to 10,287,000 pounds, valued at \$1,228,000, according to Consul General P. S. Heintzleman. Estimated unsold stocks on Aug. 1 were 300 tons with stocks held in the interior estimated at 200 tons. Imports into the United States during the month were 11,619,000 pounds, valued at \$1,223,271, against 3,949,830 pounds, valued at \$453,921 during July 1924.

The second National Congress of oils, fats, waxes, resins, and their derivatives will be held in Sao Paulo, Brazil, 1926. It will deal with questions relating to the industry and commerce in fats, waxes, resins, glycerin, soaps, etc., and with processes for preparation of raw materials.

Miscellaneous Raw Materials

Heavy Chemicals 710-728, Tan and Dyestuff 710-728, Fatty Oils 728-729

FALL TRADE FINDS PRICES FIRM

All Markets in Good Position For Fall Selling—Carbon Black Firm Due to Further Curtailment in Southern Gas Fields—Sumac Further Advanced as New Crop Material Is Offered—Naval Stores Continue Upward

PRICE CHANGES IN NEW YORK (Stock in First Hands)

Advanced

Bone, N. Y., \$1 ton. Rosin: B,D,E,F,G,H,I, 40c 280
Fish Scrap, wks., 5c unit. K,M, 35c 280 lb.
Sumac, Sic., grd., \$7 ton. N, 25c 280 lb.
Tin, 1½c lb. WW,WG, 5c 280 lb.
Turpentine, 1¼c gal.

Declined

Antimony, ½c lb. Albumen, veg., 10c lb.

Raw materials used in the chemical and chemical consuming industries, almost throughout the list, are in a firm position, and a few advances are already noted, with others looming. Carbon black is strong due to curtailment of natural gas in the South. Sicilian growers are quoting higher prices on sumac, for new crop material. Naval stores continue to advance and all grades of rosins are higher. Fertilizer raw materials are firm, due to their statistical position rather than to any really active demand. Vegetable albumen has declined.

ACCELERATORS

Aldehyde Ammonia—Manufacturers continue to name firm prices of 90c@93c lb.

Diortho-Tolyl-Guanidine—Heavy demand continues and maker holds to prices of \$1.10@\$1.13 lb as to quantity.

Ethylidine Aniline—Prices are firm and unchanged at 62c@65c lb.

Formaldehyde Aniline—Moderately heavy request for supplies reported by makers who quote unchanged prices.

Hexamethylene—Fairly steady condition continues with quotations at 80c@82½c lb.

Para-Phenylenediamine—Market holding at recent low prices of \$1.20@\$1.25 lb.

Triphenyl-Guanidine—Quotations from leading makers show no change from 69c@73c lb.

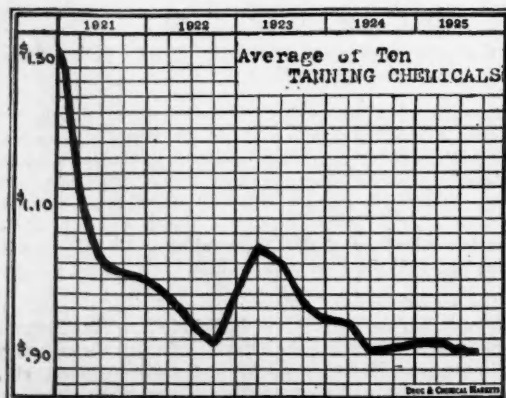
ALBUMENS

There has been little change in this situation with prices for all animal grades unchanged. Egg albumen is expected to go higher on the appearance of a larger demand. Quotations from China show a wide variation now but spot prices here are unchanged. Egg yolk, new crop is firm at 50c@55c with practically no old crop material left as demand was heavy last spring. Vegetable albumen has declined and is now available at 50c@55c lb.

Leather Chemicals

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|----------------------------|--------|-----------|------------|-----------|----------|---------|
| Acid, Acetic, 28% | \$2.00 | \$3.00 | \$3.00 | \$3.12 | \$17.00 | \$1.50 |
| Acid Formic, 90% | .10½ | .10½ | .10½ | .13 | 1.50½ | .07 |
| Acid, Lactic, 22% dark.... | .06½ | .06½ | .06½ | .06 | .07 | .02 |
| Potassium Bichromate .. | .08½ | .08½ | .08½ | .09 | .65 | .06½ |
| Epsom Salt, tech. | 1.70 | 1.70 | 1.70 | 1.70 | 3.75 | 1.00 |
| Sodium Prussiate, Imp.lb. | .10½ | .10½ | .10½ | .09½ | 1.25 | .18 |
| Soda Ash, 58% wks..... | 1.38 | 1.38 | 1.38 | 1.38 | 4.10 | .69 |
| Sodium Bichromate | .06½ | .06½ | .06½ | .06½ | .45 | .04½ |
| Sodium Hyposulfite, pea.. | 2.50 | 2.50 | 2.50 | 2.50 | 3.75 | 1.80 |
| Sodium Sulfide, 60% wks.. | .04 | .04 | .04 | .03½ | .10½ | .02½ |

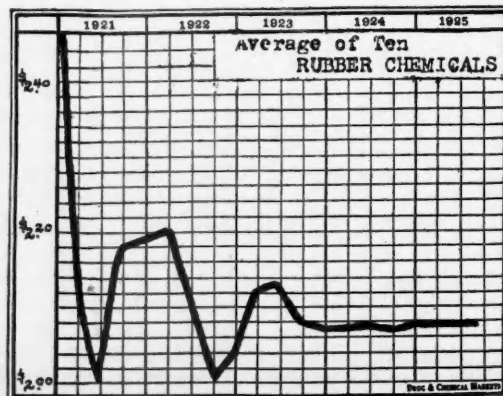
Average 0.904 0.904 0.905 0.925 3.267 0.528



Rubber Chemicals

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|--------------------------|--------|-----------|------------|-----------|----------|---------|
| Antimony, Sulfide Crim.. | \$3.39 | \$3.39 | \$3.39 | \$3.39 | \$4.45 | \$3.39 |
| Carbon Bisulfide | .06 | .06 | .06 | .06 | .50 | .10 |
| Carbon Black cases wks.. | .07 | .07 | .07 | .09 | .30 | .14 |
| China Clay, Imp..... | 16.00 | 16.00 | 16.00 | 16.00 | 20.00 | 14.00 |
| Hexamethylene | .82½ | .82½ | .82½ | .82½ | 1.35 | .05 |
| Iron Oxide, Span | .03 | .03 | .03 | .03 | .04½ | .05 |
| Lithopone | .06½ | .06½ | .06½ | .06½ | .08 | .04 |
| Sulfur | 3.00 | 3.00 | 3.00 | 3.05 | 6.50 | 2.75 |
| Whiting, Dom. | 14.00 | 14.00 | 14.00 | 14.00 | 30.00 | 11.00 |
| Zinc Oxide, Amer. | .08½ | .08½ | .08½ | .08 | .09½ | .09 |

Average 3.452 3.452 3.452 3.458 5.937 ..



CLAYS AND FILLERS

Barytes—Demand continues good with prices unchanged at former figures.

Blanc Fixe—There has been no change in this situation and prices are apt to remain at current figures unless some radical shortage or demand should appear.

China Clay—Prices remain steady at contract figures with both contract delivery and spot business reported as good. No price change is likely according to leading dealers.

Talc—This continues to move in a good way with prices well maintained at former levels.

Whiting—No new developments are seen in this market with prices steady and spot and contract business both moving into the trade in fair volume.

COLORS AND PIGMENTS

Carbon black is very firm at unchanged prices owing to the sold-up condition of many producers and a further restriction being placed upon consumption of gas for carbon black manufacture in the south. Chrome yellows and greens show no change from their easy condition and makers are still competing sharply for business. Prussian blues are moving well but makers are unable to advance prices owing to the large output. Toners are in keen competition. English vermilion remains at recent reduction to \$1.35@\$1.40 lb.

DYE AND TAN WOODS

Divi Divi—Market remains quiet with prices held at recent quotations and occasional shipment being received.

Logwood—Scarcity of labor, which is being drawn by higher prices in the rubber field, is producing a constriction in the stick market and higher prices are looked for. There has been no change as yet however.

Myrobalans—Fair activity continues with prices unchanged at figures announced last week.

Sumac—New crop material is being offered at the advanced price of \$125@\$130 ton with old crop up in sympathy to \$120@\$125 ton. Leaf is unchanged at \$150 ton.

Valonia—There has been no change in this market with prices quiet and demand routine.

Wattle Bark—This market remains steady at recent advances with prices unchanged.

EXTRACTS

There has been practically no change in this situation with prices steady throughout the list. Myrobalans is quiet, quebracho steady and mangrove unchanged. Logwood, and sumac both bear promise of higher price unless there is a distinct easing in the market for the raw materials. Prices, as yet, however, have shown no change.

FERTILIZERS

Manufacturers are still far from stocked up for their fall business but are not yet buying heavily. Prices remain strong for all items, due to scarcity in many directions. Fish scrap has firmed up and is now quoted at \$4.50 and 10c f. o. b. works. Bone is increasingly scarce and is now quoted at \$38 in New York. Otherwise prices are unchanged.

INSECTICIDES AND FUNGICIDES

Situation unchanged and makers remain in possession of large stocks of the entire list of insecticides and await the announcement of new Fall prices. Calcium arsenate has been reported offered at low as 5c lb for distressed lots in certain sections of the South.

METALS

Antimony eased off further during the week to 16½@16¾c lb. Copper prices were maintained and the market closed firm at 14¾c@14⅞c lb for both Lake and electrolytic grades. Lead prices were held at 9½c lb at New York but the market is weak as evidenced by the break to 9¼c lb at East St. Louis. Tin advanced to 57¾c lb. Zinc prices showed no change from 8c lb at New York, and 7.65c lb at East S. Louis.

NAVAL STORES

Rosins—The upward movement continued over the week and prices closed at the following high levels: B, D, E, F, G, H, I, K, M \$13.15; N \$13.20; WG \$14.20; WW \$15.30.

Turpentine—Market stiffer and holders of spot goods quote \$1.08¼@\$1.13 gal. as to seller and quantity.

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Savannah, Ga., Sept. 5.—Turpentine closed firm at \$1.02½ with no sales. Shipments have been very heavy during the past few days. More turpentine should be available during the coming week but there should be a strong demand and prices are expected to tend upward in an active week. Tank-steamer Artza-Mendi has cleared Jacksonville with 15,762 bbls. of turpentine and this has reduced stocks considerably. The drought in Georgia as well as the shortage of negro labor is giving additional strength to prices. The shortage in production is already being shown in receipts. The price is not expected to drop below \$1.00 again. Receipts for the week were 3,991 bbls.; stock today totals 19,853 bbls.

Rosins closed firm on small sales at prices about 25c 50c above last week's closing. Several foreign steamers are now loading and more will follow. Advance in prices are anticipated for the coming week. Closing quotations are: B, D, E, F, G, H, I, K, M, \$11.75; K, M, \$11.77½; N \$11.90; WG \$12.90; WW, X, \$13.90.

Jacksonville Fla., Sept. 5.—Turpentine closed firm at \$1.03¼. Sales were 206 bbls., and 151 bbls. were carried over on which \$1.02 was refused. Rosins closed firm at following prices: B, D, E, F, G, H, I, \$11.75; K, M, \$11.77½; N \$11.90; WG \$12.90; WW, X, \$13.90.

STARCHES, DEXTRINS AND SIZES

Demand is quiet with perhaps a bit better inquiry evident but actual buying still held in abeyance. Prices remain unchanged at recently announced figures. British gum, dextrins and starches are low on account of the plentiful supply of grain, amber sorts is firming up, glues and gelatins are unchanged with casein firmer at unchanged prices.

Officials of Klis Rayon Corporation of America, with factory at Canton, Mass., held a conference at the Waldorf-Astoria Hotel, New York, last week, with the company's chemical engineers who returned recently from Germany. It was decided to begin production this winter, using a domestic wood pulp base in the process. German machinery is being installed. The first unit comprising eight brick buildings, will have a daily output of 6,600 pounds of yarn per day.

The American Federation of Labor is waging a campaign throughout the month of September, urging people to buy American made goods, to eliminate competition with cheaper foreign goods which American manufacturers must meet.

A. Lusskin & Co., New York, dealers in clays and fillers, have opened a plant in Ossining, N. Y., for the manufacture of some of the products they handle.

QUOTATIONS ON CHEMICAL STOCKS

Closing Prices For Week Ending Sept. 5, 1925

| Bid | Asked | Bid | Asked |
|------------------------------|-------|--------------------------------|-------|
| *Air Reduction104½ | 105½ | Hercules Powder104 | 107 |
| *Allied Chem & D.101½ | 101¾ | Hercules Powd., pf.103 | 107 |
| *Allied C & D, pf.119¾ | 120¾ | Heyden Chem2 | .. |
| *Am Ag. Ch.21 | 21½ | Hooker Electro12 | 15 |
| *Am Ag Ch., pf.63½ | 64 | Hooker Electro, pf.40 | 45 |
| *Am. Chiclé41 | 43 | *Household Products... 40¾ | 40¾ |
| *Am. Chiclé, pf.87½ | 92½ | *Int. Agricult.13¾ | 13¾ |
| *Am. Cyan.100 | 105 | *Int. Agr. cult., pf.60 | 100 |
| *Am. Cyan, pf.83 | 86 | *Int. Nickel32¾ | 33 |
| *Am. Druggist, S.5 | 5½ | *Int. Nickel, pf.95¾ | 98¾ |
| *Am. Glue47 | 50 | *Int Salt70 | 79 |
| *Am. Glue, pf.106 | 109 | *Mathieson Alk.70 | 76 |
| *Am. Linseed62¾ | 33 | *MacAnd & Forbes155 | 158 |
| *Am. Linseed, pf.79¾ | 79 | *MacA & Forbes, pf.100½ | 103 |
| *Am. Metal60½ | 50¾ | Merck & Co., pf.54 | 56 |
| *Am. Zinc7½ | 8 | Merrimac84 | 86 |
| *Am. Zinc, pf.27¾ | 30 | Mulford Co.30 | 33 |
| *Archer Dan. Mid.57¾ | 38 | *National Lead152 | 154 |
| *Archer Dan Mid., pf.98 | 98½ | *National Lead, pf.114¾ | 116¾ |
| *Atlas Powder— | — | Niag. A., pf.80 | 85 |
| By-Prod. Co.46 | 49 | N. J. Zinc194 | 197 |
| By-Prod. Co., pf.102 | 105 | Parke, Dav's & Co.99 | — |
| Canad. Ind. Al.14¾ | 15 | Penn. Slt71 | — |
| Canad. Salt105 | 115 | *People Gas Chi.114¾ | 114¾ |
| Cascine Co.83 | — | Procter & Gamble124 | 127 |
| Celluloid Co.23 | 26 | Procter & Gam., pf.158 | — |
| Celluloid Co. pf.73 | 77 | Royal Bkg. Pow.137 | 141 |
| *Cotton-tweed Prod.52¾ | 53 | Royal Bkg. Pow., pf.100 | 102 |
| Charcoal Iron10 | 20 | Shawinigan164 | — |
| Ches. Mfg.63 | 64 | Sherwin-Will 1st pf.105 | — |
| Ches. Mfg. pf.111 | 113 | *Sterling Prod.68¾ | 70 |
| Clark Co., Fred.2½ | 4 | Swan-Finch12½ | 14½ |
| Cleve. Cliffs Iron.70 | 75 | *Tenn C & Chem104½ | 104½ |
| *Com. Solv. A.96 | 100 | *Tex Gulf Sul108¾ | 109 |
| Do B.93 | 95 | Union Carbide72½ | — |
| *Corn Products37 | 37½ | *Un. Drug126 | 126½ |
| *Corn Products, pf.123 | 127 | *Un. Drug 1st pf.54¾ | 55 |
| *Davison Chem39½ | 39½ | *Un. Dyewood17 | 28 |
| Dow Chem. no par.56 | 65 | *Un. Dyewood, pf.60 | 67½ |
| Dow Chem., pf.98 | 102 | Un Gas Imp.96 | 96½ |
| Dow Drug Co., pf.105 | 108 | Un. Gas Imp. pf.58¾ | — |
| *Du Pont Deb.83¾ | 101 | U. S. Gypsum198 | — |
| *Du Pont de Nem.151¾ | 152 | *U. S. Indus. Al86¾ | 87½ |
| Eastman Kodak105¾ | 106¾ | *U. S. Indus. Al., pf.109 | 113 |
| *Eastman Kodak, pf.111¾ | — | *Va Car Ch.2 | 2½ |
| *Freepot Tex.15½ | 16 | *Va Car Ch., pf.94 | 97 |
| *Gen. Asphalt52 | 52½ | *V. Vivaudou13½ | 13½ |
| *Gen. Asphalt, pf.95¾ | 96½ | Will & Baumer14 | 14 |
| *Gold Dust42½ | 43¾ | | |
| Grasselli125 | 130 | | |
| Grasselli, pf.101 | 108 | | |

*Listed on New York Stock Exchange

| FOREIGN EXCHANGE | Par | Current |
|---|-----|-------------|
| Great Britain (pound Sterling)\$ 4.866 | | \$4.84 9/16 |
| France (franc)183 | | .046 |
| Italy (lira)193 | | .039 |
| Belgium (franc)198 | | .044 |
| Czechoslovakia (crown) per hundred20.30 | | 2.96 |
| Denmark (krone)268 | | .251 |
| Germany (mark)238 | | .238 |
| Holland (florin)402 | | .402 |
| Norway (krone)258 | | .210 |
| Poland (zloty)193 | | .185 |
| Spain (peseta)199 | | .142 |
| Sweden (krone)268 | | .268 |
| Switzerland (franc)193 | | .193 |
| Argentina (peso)424 | | .399 |
| Brazil (milreis)324 | | .185 |
| Japan (yen)499 | | .405 |
| India (rupee)485 | | .366 |
| China (Silver dollar, Hongkong)789 | | .603 |
| (Tae—Peking, silver)1.146 | | .830 |
| (Tae—Shanghai, silver)1.986 | | .793 |

International Nickel Co., has declared a quarterly dividend of 50 cents a share on the common stock, placing the shares on a \$2 annual dividend basis. This is the first dividend declared by the company on the common stock since March, 1919, and is payable Sept. 30 to stockholders of record Sept. 11.

United Indigo and Chemical Co., London, England, reports net earnings £21,440 for the fiscal year just ended, which is £10,060 less than the net profits for the preceding year. A dividend of 7½ per cent was declared.

INDUSTRIAL CHEMICAL SECTION

New Incorporations

In the Chemical, Drug, Oil Producing and Consuming Fields

Salt City Shellac and Chemical Corporation, Rochester, N. Y.; \$20,000. Cements, oils, toilet articles. P. Fleischmann, 176 Fellows ave., Rochester; H. Mitbeutz, 1213 Butternut st.; M. Fleischmann, 176 Fellows ave.

Alcot Fabrics, New York City, \$30,000. Textiles. C. G. Hoffman, A. E. Kilkenny, C. A. Springstead. Attorneys Rose & Paskus, 128 Broadway.

E. M. Hall Paper Co., Shortville, Ontario County, New York, 500 shares common stock, no par. E. M. Hall H. D. Aldrich, D. B. Brown. Attorney, L. G. Hoskins, Geneva, N. Y.

Troy Laundry Service Co., Trenton, N. J., \$100,000. Samuel Jaffe, Hackensack, N. J.; Daniel Levin, Benjamin Levin, Weehawken, N. J. Attorney, Samuel Harberton, Union, N. J.

Mere, Dover, Del., \$10,000. Perfumes and toilet preparations. John A. Miesse, Lena S. Miesse, J. Sidney Reich, Philadelphia. United States Corporation Co.

Ranson Paper Co., Dover, Del., \$100,000. G. Chisner, W. Brewster, Kingston, Pa.; I. A. McNey, Ranson, Pa. Capital Trust Co. of Delaware, Dover, Del.

Hodson Corporation, Dover, Del., \$50,000. To manufacture lubricating and water proofing materials.

W. D. Crossman Co., Concord, Mass., 1,000 shares of common stock, no par. Cleaning liquids. W. D. Crossman, Roxbury, Mass.; T. Hollis, Jr., Concord Junction, Mass.; J. P. Carr, Winchester, Mass.

Vadis Products, New York City, \$20,000. Paints, varnishes, E. Urbach, J. A. Healy. Attorney L. Urbach, 253 Broadway.

Paerdagat Ice Corp., New York City, \$180,000. G. S. and S. C. Williams, New York City. Attorney, H. Logan, 44 Court st., Brooklyn.

Frontier Chocolate and Cocoa Corp., North Tonawanda, N. Y., \$25,000. S. W. Brown, H. McLean, Jr., G. D. Simson. Attorney, N. D. Fish, Tonawanda.

San-O-Pad Co., Newark, N. J., \$100,000. Manufacturing cloth, paper and cotton goods. Geo. F. Seymour, Jr., Raymond D. Carter, Newark; Paul J. O'Neill, South Orange. Attorney, George F. Seymour, Jr., Newark.

United States Rayon Corp., New York City, \$107,000,000. To manufacture artificial silk. United States Corporation Co. Charter filed at Dover, Del.

Pearl Waist Co., Cohoes, N. Y., \$190,000. Formed by consolidation of Crystal Bleachery and Pearl Waist Co. J. F. and C. E. Quinn, E. A. Kennedy. Attorneys, Carter and Coubo, Cohoes.

Velvo San Co., Lockport, N. Y., \$25,000. Drugs and medicines. G. A. and O. F. Plaster, A. B. Leibold. Attorneys, Doty, Stockwell and Leibold, Lockport.

Purity Ice Cream Co., Newark, N. J., \$100,000. Jack Levons, Howard A. Hopper. Magdalena Wenzel, Newark. Attorney, Louis K. Press, Newark.

Bolivia Lead Co., Wilmington, Del., \$32,000,000. Daniel De Pace. Representative, William F. Kurtz. Wilmington, Del.

Sodus Chemical Co., Sodus, Wayne County, New York, \$20,000. P. and F. D. Delass. Attorney, F. J. Delass, Ontario.

Rheinberger Silk Mills, Paterson, N. J., \$100,000. Samuel Silver, Paterson; Frances Reingold, Paterson; May Salzberger, Albert M. Salzberger, Bronx, N. Y.; Harry Reingold, Paterson. Attorney, David Harrison, Paterson.

Dia Tom Products, Dover, Del., \$250,000. Oils. United States Corporation Co.

CANADIAN INCORPORATIONS

Bala Knitting Mills, Ltd., Bala, Ont., \$50,000. Textiles. Paul I. B. Hinds, Maurice E. Levery, F. J. McEvoy.

Dependable Cleaners & Dyers, Ltd., Toronto, Ont., \$40,000. Frank H. Elliott, Wilford R. Scott, Oscar H. King.

Lavoline Cleanser Co., Ltd., Toronto, Ont., \$100,000. Manufacturers of cleansing materials. Fred H. Barlow, Robert F. Hardy, Irene L. Hodgins.

National Knitting Mills, Ltd., Toronto, Ont., \$40,000, Textiles. Dwight H. Osborne, Frederick C. Richardson, Frederick A. Dashwood.

Neville Drug Co., Ltd., Toronto, Ont., \$40,000. John Callahan, Joseph Garvey, L. Duggan.

Prescott Beverages, Ltd., Prescott, Ont., \$30,000. Joseph E. Laflamme, Joseph P. Valiquet, Joseph R. Dupuis.

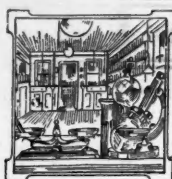
Puritan Orangeade Co., Ltd., Montreal, Que., 40,000 shares, no par. To manufacture beverages. John D. Kearney, Charles Cordeur, Frank Callaghan.

Bartram Paper Products Co., Ltd., Vancouver, B. C., \$55,000. Paper. Charles McC. Bartram, Samuel G. Gourlay, Earle Gourlay. Budd, Ltd., Montreal, Que., \$50,000. Textiles. Leslie G. Bell, Sadi Cemers, Jacques Senechal.

Globe Chemical Products Co., Ltd., Montreal, Que., \$30,000. Polishing preparations. Lazarus Phillips, Harry Blaushay, Benjamin Robinson.

Charcoal Fuel Co., Ltd., Kearney, Ont., \$40,000. charcoal and chemicals, William J. Shane, George R. Shane, William A. Chisholm.

E. R. Squibb & Sons of Canada, Ltd., Toronto, Ont., \$50,000, wholesale chemists. George E. Atwood, Clifford G. Lynch, Edith M. Morrison.



Drug & Fine Chemical

SECTION



Insect Flowers Break Low Price Records

Drop To 17c Is Lowest In Six Years and An Aftermath of the High Market of 1922—Bumper Crops This Year in Both Japan and Dalmatia—Plants Put in the Ground in 1922 During High Priced Era Now Bearing—Likely to Have Large Crops For Several Years If Natives Do Not Abandon Plants—Cheap Flowers Boon to Powder Manufacturers

Insect flowers are lower than they have been in six years. Superficially, the reason for the present low price was not hard to find. Both Japan and Dalmatia have had exceptionally large crops this year, and the flowers are literally a drug on the market. But the question that presents itself is this, how far has the present large crop been merely a circumstance, the result of unusually favorable growing conditions, or have other factors been at work?

In answer to this question, the large crop is not a coincidence. It is the result of things that happened some time ago. During January of 1922, and for some time previously, insect flowers had been selling for 25c to 28c a pound, with the pure powder moving in a desultory manner at 38c to 40c a pound. In fact, late in January of that year, a number of contracts were written for 36c a pound for the powder. Then suddenly, during the first week in February, an abnormal demand developed, and prices for whole flowers shot up to around 40c to 45c a pound. For awhile, quite some activity was evident in the market for the flowers and prices fluctuated quite a bit, but from then until this summer, they seldom fell very far below the figure reached during that week. At times, the prices were considerably higher.

With prices advanced nearly one hundred per cent higher than they had been for some time, growers started another chapter of the old story of trying to get in on a good thing. They started to plant heavily, and as it takes about three years for the flowers to mature,—in this case, from 1922 until the present,—they are just beginning to realize on their planting now, in a manner not much to their liking. Judging from reports, many of the growers are suffering heavy losses as a result of the prices ruling, and the majority can ill afford these losses. Whether they will learn their lesson, and plant wisely to meet probable needs, or whether they will become discouraged from the present development, let the plants go, and repeat the story, is hard to tell. Doubtless, they will do the latter.

As a result of these large crops, flowers are today selling at prices which are even lower than they were at the time the advance occurred. In the present unsettled condition of the market, there is a wide variety of qualities offered, with a corresponding variety of prices. "All closed" flowers are offered which vary in size from a dried pea to the end of a man's finger, and the price varies accordingly. As in any other commodity, consumers can buy about what they are willing to pay for, but the prices are far from as high as they were some time ago.

Present indications are that prices will maintain some-

thing like their present low levels for the next year or two, but the trade cannot always depend on indications. Some dealers are advising users to lay in a large supply of flowers now, because, even if prices do go lower, they are now at a level where powder manufacturers can operate at a nice profit. Furthermore, there are factors present in the market, which could produce a sharp advance overnight. Whether these factors will operate, it is impossible to tell, and what they are, leading importers refuse to divulge at this time.

ITALIAN DRUG MARKET ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Genoa, Italy, Sept. 1.—The demand for drugs is good and merchants with stocks are doing an active business. Quotations per 100 kilos are as follows:

Spanish anis, lire 720 to 750; Ceylon cinnamon, francs 2,200 to 2,280; chamomiles, lire 500 to 520; Calcutta tamarinds, lire 230 to 270; Zanzibar cloves, lire 2,600 to 2,700; Geraci manna, lire 1,700 to 1,800; nutmeg, lire 3,400 to 3,600; Bari mustard, lire 600 to 620; Senna leaves, lire 700 to 720; Bourbon vanilla, francs 400 to 440; Spanish saffron, lire 1,600 to 1,620. One dollar equals 28 lire; pound sterling 133 lire.

An official of Canadian Industrial Alcohol Co. says that operations during the current fiscal year have been entirely satisfactory. Although sales have not been quite as large as in 1924, which was a record year, the earnings during the first nine months will meet the full year's dividend requirements on common stock. The outlook for the balance of the fiscal year is satisfactory and with anything like a recovery in business conditions the revenue of the company will show an increase, he says.

Crude drug imports during June, were as follows: Crude balsams, 89,027 pounds, valued at \$43,454; cinchona bark or other bark from which quinine can be extracted, 597,632 pounds, valued at \$118,044; insect flowers 503,612 pounds, valued at \$116,456; licorice 268,811 pounds, valued at \$41,857; senna, 8,914 pounds valued at \$861; other crude drugs, 1,327,064 pounds, valued at \$237,327.

French drug manufacturers are gaining control of the Yugoslav opium output, having shipped 12,000 kilos of opium to France to date. A French agent went to Yugoslavia at the beginning of the season and bought up large quantities of wheat and maize to advance to the poppy farmers and thus eliminated the buying through Salonika merchants which France has usually had to do. The total crop has been estimated at 385,000 pounds containing from 9 to 14 per cent. morphine.

Officials of National Distillers' Products Corp. reports that business is running approximately 100 per cent ahead of 1924. They estimate the sales of alcohol at 15,000,000 to 16,000,000 gallons this year, compared with 8,000,000 gallons last year.

ROCHE INVADERS THE QUININE MARKET

Quinine sulfate and bisulfate, from bark grown on their own plantations, extracted at their own crude factory in Java, and refined in their plant in Switzerland, are offered in standard units by the Hoffmann-LaRoche Chemical Works in an announcement to the trade mailed last week from their New York office, 13 Cliff st. The factory for extracting the crude alkaloids in Java was completed in 1924, the plant at Basle, Switzerland is a new unit equipped throughout with the most modern apparatus and employing an improved process said materially to reduce cost and increase yield.

The firm's announcement, which emphasizes the independent character, freedom from all outside control, and the recognized high quality of "Roche" alkaloidal products has caused considerable comment in pharmaceutical trade circles.

CHARLES WESLEY DUNN MARRIED

Charles Wesley Dunn, attorney for the American Pharmaceutical Manufacturers' Association, was married to Miss Alice Louise Hafner, at Noroton, Conn., Wednesday, Sept. 9. The wedding was followed by a reception at the Pickwick Arms, Greenwich, Conn., which was attended by the active members of the Association, who motored from the Hotel Biltmore, New York. The Association presented the couple with a silver Tiffany bowl, engraved with their names, the date, and the name of the Association.

Mr. Dunn has a wide acquaintance throughout the trade on account of his work for the association as well as for the publication of *Dunn's Pure Food and Drugs Legal Manual* and other pamphlets and works on the Pure Food and Drugs Act and price maintenance.

An American company has recently been formed to engage in the extraction and exportation of candelilla wax from the State of Coahuila, Mexico, in which state the plant is indigenous in many of the mountainous regions. A factory with a weekly capacity of about 140 tons of the candelilla plant has been set up on the Guadalupe Hacienda, a ranch with an estimated area of 190,000 acres of which between 50,000 and 60,000 acres are reported to have plants already growing. The State of Coahuila is said to be the most important candelilla production region in the world. It is estimated that 80 per cent of the entire production of candelilla wax originates there. The wax is used in the manufacture of shoe polish, in polishing waxes for floors and furniture, as dressing for transmission belts, and in waxed and carbon papers.

The New Zealand government has large stocks of kauri gum which it is desirous of liquidating, according to Mr. McLeod, Minister of Lands. Commercial houses also have large holdings and are waiting for a favorable turn of the market. While the government has not entirely ceased buying, it is tapering off on this activity. The trade is of the belief that the government stocks are deteriorating.

Chemical and drug prices by quarters from 1921 through the first three quarters of 1924 are given in Part II of the annual report of the Chamber of Commerce of the State of New York which has just been issued. The report also includes trade statistics for the United States, reports of various trades, and statistics of the Metropolitan district.

Substitute crops for poppy flowers, to be grown in opium producing countries, are to be discussed by the coming session of the League of Nations Council, with a view to the feasibility of the proposition. American interests are actively backing the plan and are understood to be willing to aid substantially in the project.

Drug and Chemical Notes

Mercury has been discovered at Batanghari, Sumatra, according to the "Chemist and Druggist," London.

Exports of bay oil from Montserrat fell from 285 gallons, valued at £4,455 in 1923, to 76 gallons valued at £390 in 1924.

J. S. Young Co., manufacturer of licorice extract, Baltimore will erect five one-story brick additions to the plant at a cost of \$25,000.

Herbert Green & Co., Ltd., London, declared a dividend on July 31, making their total for the year 10 per cent. They manufacture alcohol and spirits for various purposes.

William A. Sailer, secretary of Sharp & Dohme, Baltimore, returned last week from a trip of nearly two months abroad, with members of his family. He visited Antwerp, Brussels, Ghent and Paris.

Exports of citric acid from the Palermo district to the United States fell steadily from \$455,122 worth in 1922 to \$102,433 in 1924. Exports of tartaric acid fell from \$239,735 in 1923 to 102,433 in 1924.

Alcohol production in Denmark advanced from 4,980,000 liters in 1923, to 6,420,000 liters in 1924, there being a greatly increased industrial demand for both pure and denatured products.

H. W. Mitchell, of Toronto, Canadian and New England representative of S. B. Penick & Co, was at the New York office of the company from Wednesday to Friday, last week. He said the prospects for Fall business were excellent.

China produces 65 per cent of the world's supply of casia, according to "Finance and Commerce," Shanghai, the bulk of it coming from Kwangsi Province. French Indo China is the next largest producer, furnishing practically all that does not come from China.

Anders Aarsaether of Brodr Aarsaether, Aalesund, Norway, arrived on the Bergensfjord, Sept. 4. Mr. Aarsaether will visit some of the largest consumers of codliver oil in company with his general agent for the United States and Canada, P. R. Dreyer, 15 Platt st., New York.

The possibility of producing cascara sagrada in Nairobi is being considered by the Kenya Forestry Department, according to the "Manchester Guardian," England. Samples of bark of trees grown from California seed, have been examined and favorable reports have been made, although the medicinal qualities have not been yet been tested.

The charge that opium was smuggled into the Philippines from British North Borneo brought the American delegation to the Geneva Opium Conference into conflict with the British delegation. The American delegation has promised to furnish proof of its charges and has asked why the British government has not taken measures to stop this traffic as the Indian government has done.

The recently formed Cocoa Exchange is making rapid progress, all the \$1,000 memberships, having been sold. The remaining memberships will be sold at \$1,500 for the first fifteen, and \$2,000 to \$3,000 for the remaining thirty. The unit of trading will be 30,000 pounds of beans and original margins of \$300 will be allowed on each contract. Each point of variation will be \$3.00. The exchange is located at 124-126 Water st., New York.

HOW NARCOTIC BUSINESS IS CLOSED OUT

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 9.—C. R. Nash, acting Commissioner of Internal Revenue is sending the following notice to collectors in connection with the discontinuance of business under the Narcotic Law. The statement follows:

In order that all persons registered under the act of Dec. 17, 1914, (Harrison Narcotic Law) as amended, may be informed as to the manner in which narcotic business may be discontinued the following amendments to Regulations 35 (revised) are promulgated, effective Sept. 1, 1925:

1. A new article to be known as article 19½ is hereby added which shall read as follows:

Art. 19½.—Discontinuance of business.—Business may be discontinued on June 30 of any year by disposing of all narcotic drugs and preparations on or before that date (see art. 154, paragraph 3), unused order forms to be returned to the collector for cancellation (see art. 112) on or before the date of discontinuance. The same procedure must be followed in discontinuing business on any other date and in addition the special-tax stamp or stamps (see art. 55) must be returned to the collector who will mark each such stamp "Business discontinued" with the date, and return the same to the taxpayer to be filed with the narcotic order forms for a period of two years.

2. The fifth sentence of paragraph 3 (entitled "Disposition of excess, undesirable, or useless narcotic stock by taxpayer"), article 154, Regulations 35 revised, as amended by T. D. 3643, is hereby amended by substituting the words "collector for the district in which the recipient is located" for "Commissioner," the new sentence reading:

Excess or undesirable narcotic drugs and preparations, if not useless, may be disposed of by the taxpayer to a duly qualified purchaser or other recipient provided specific approval of such disposition is secured from the collector for the district in which the recipient is located; narcotic drugs or preparations to be disposed of on account of discontinuance of business may be sold in the same manner.

MENTHOL PRICE STRENGTHENED IN JAPAN

T. Fujisawa Co., Osaka, states that the speculative high prices of American peppermint oil, are being reflected in the market for Japanese oil and menthol and strengthening holders there. Most of the business being done at the time of writing was with London, very few actual transactions taking place with New York. Quotations showed no change. With regard to camphor, America was the principal buyer taking good supplies at steady prices. Futures in this article were uncertain, due to the unsettled state of exchange and banks refusing to close exchange contracts for later than Dec. 1.

There has been no attempt on the part of the Co-Operative Society of Sorachi to organize the pyrethrum growers of Hokkaido in order to check the downward price of the flowers. Fujisawa Co., however, says that such an artificial attempt to bolster up the prices will be futile.

Customs reports of exports from Aug. 2 to Aug. 10, shows exports to Europe of 645 cases camphor, 3 cases menthol crystals, and 5 cases peppermint oil with exports to United States of 100 bales of pyrethrum.

Exports of coca from Dutch East Indies in 1924 were 1,118 tons against 907 tons the previous year. Exports of cinchona bark fell from 7,874 tons in 1923 to 6,575 in 1924. Exports of Dragon's Blood were 67 tons against 31 tons the previous year.

Drawback on licorice paste manufactured by American Dyewood Co., New York, with the use of imported licorice root, has been allowed by the Treasury Department.

NEW DRUG STANDARDS EFFECTIVE JAN. 1

Work Carried Out By Committee of Revision of Pharmacopoeia and Bureau of Chemistry

New drug standards for the nation go into effect Jan. 1, 1926, when the tenth revision of the United States Pharmacopoeia becomes official, according to a decision of the Board of Trustees of the United States Pharmacopoeial Convention made public through the Drug Trade Bureau of Public Information.

Dr. Henry M. Whelpley, says:

"The U. S. Pharmacopoeia was the first to recognize the standards which have already been adopted by the International Conference."

The new Pharmacopoeia is being translated into Spanish for use in South and Central America and other Spanish speaking countries."

Dr. E. Fullerton Cook, of Philadelphia, chairman of the Committee of Revision, said the new Pharmacopoeia would carry the following announcement:

"Biological assays have now been made compulsory for a number of important drugs and preparations, and in order to facilitate the adoption of these standards and to provide a greater degree of uniformity in the application of these assays, the officials of the Bureau of Chemistry of the U. S. Department of Agriculture, Washington, have indicated their willingness to supply substances conforming to the new pharmacopoeial standards."

Dr. Cook, added "that the use of these Bureau of Chemistry standards is optional, but they will doubtless be made the basis of comparison by all manufacturers."

The service is the result of co-operation between the Committee of Revision, who have established the standards, a number of manufacturers, who have supplied the Bureau of Chemistry with material, and the Bureau of Chemistry.

The changed standards will come officially before representatives of the country's 50,000 retail druggists at the twenty-seventh convention of the National Association of Retail Druggists, at Memphis, Tenn., Sept. 21 to 25.

DRUGGISTS TAKE UP LIQUOR QUESTION

Administration of liquor sales, price legislation, pharmaceutical education, and plans to elevate pharmacy to the dignity of a profession comparable to law and medicine are among the topics to be discussed at the convention of the National Association of Retail Druggists, at Memphis, Tenn., Sept. 21 to 25.

Arrangements will be made for the observance throughout the country, Oct. 26 to 31, of Pharmacy Week, in which retailers, manufacturers, wholesalers, and schools of pharmacy will participate. Reports will be received on the progress of the movement to raise \$1,000,000 for establishment of a National Pharmacy Building. More than \$500,000 has already been obtained.

DRUG FORMULAS TO BE UNIFIED

Dr. A. G. DuMez, of the U. S. Public Health Service, will represent the United States at the world conference at Brussels, Belgium, beginning Sept. 21, to unify formulas of powerful drugs and medicines.

The conference will be attended by delegates from Austria, Belgium, Bulgaria, Denmark, Egypt, France, Finland and Germany, Great Britain, Greece, Haiti, Hungary, Italy, the Netherlands, Norway, Peru, Roumania, Sweden, Switzerland, and Turkey.

"The first conference, also held in Brussels, was convened Sept. 15, 1902. Agreements reached were incorporated into a treaty which was signed by the countries represented, Nov. 29, 1906."

The Fine Chemical Market

Current Spot Quotations for Fine Chemicals, see Chemical pages 710-728

THYMOL FIRMER, MENTHOL LOWER

Foreign Thymol Advanced in Price, Domestic Firm—
Menthol Reduced by Consumer's Selling—Codliver
Oil More Active and Higher—Imported Tartaric Acid
Stirs Comment

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

| Advanced | |
|------------------------|-------------------------|
| Codliver Oil, 50c bbl. | Quicksilver, 25c flask. |
| Silver Nitrate, ½ oz. | |
| Declined | |
| Menthol, 25c lb. | |

Trend of the Market

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|--------------------------------|-------|-----------|------------|-----------|----------|---------|
| Acetanilid | .35 | .35 | .35 | .35 | \$2.00 | .20 |
| Acid Citric Import | .45 | .45 | .45 | .45½ | 1.25 | .45 |
| Cateine, Alkaloid | 3.75 | 3.75 | 3.75 | 3.50 | 13.00 | 3.65 |
| Calomel, American | 1.37 | 1.37 | 1.37 | 1.22 | 3.43 | .90 |
| Camphor, Jap. ref. | .75 | .75 | .73 | .67 | 3.55 | .41 |
| Iodine, Resublimed | 4.65 | 4.65 | 4.65 | 4.65 | 5.00 | 3.75 |
| Menthol | 11.00 | 11.25 | 11.75 | 13.50 | 13.50 | 3.00 |
| Potassium Bromide, Cryst. | .48 | .48 | .48 | .38 | 4.30 | .80 |
| Quinine Sulfate, Imp. | .50 | .50 | .50 | .50 | .90 | .25 |
| Sodium Salicylate | .40 | .40 | .40 | .40 | 4.25 | .27 |
| Strychnine Sulfate | .50 | .50 | .50 | .41¼ | 1.05 | .50 |
| Average | 2.194 | 2.218 | 2.265 | 2.37 | 5.92 | 1.56 |

Little change of importance occurred in the fine chemical market with trading continuing along lines of buying for current needs, and contract deliveries. With many of the houses closed from Friday night until Tuesday morning, and a number of dealers were out of town even before Friday night, little was done outside routine business, and little interest was developed in any line. Information from abroad indicates higher prices for thymol, but domestic goods have shown no change. Tartaric acid caused some comment, due to low quotations from Germany and firmer positions held by Italian manufacturers. Codliver oil is in a very firm position and prices promise to go higher. Selling of stocks of menthol by a consumer has produced lower prices on the spot market and has somewhat weakened the position of Japan with regard to futures. The market for quicksilver is firm, although little trading outside routine business was done. Silver nitrate has been advanced, due to the position of the market for the metal.

Acetanilid—Demand for this article continues for routine needs, with no new developments in prices or activity.

Acid, Acetylsalicylic—There has been little change in this situation with prices unchanged, and resellers quoting under manufacturers figures.

Acid, Benzoic—Activity continues good with prices steady and manufacturers reporting sales at a healthy rate.

Acid, Citric—Demand continues good and steady at unchanged prices although one lot was offered at 44¼c lb. The general market price for imported was steady at 45c@45½c lb.

Acid, Diethylbarbituric—This market continues firm and steady with prices maintained at recent quotations.

Acid, Tartaric—Italian exporters are higher in their ideas and German sellers are offering for shipment at 27c laid down New York. Activity is very good and spot prices are as yet unchanged.

Alcohols—Demand continues very good and recent advances have produced no perceptible abatement of orders. Contract deliveries are prompt with some spot stocks held at a slight premium. Quoted prices on No. 5 completely denatured at 53½c gal. in drums, No. 6, 52½c gal. and No. 1 specially denatured 54½c gal.

Alkaloids—The market for alkaloids has shown no change in prices or activity recently. Eserine is now selling for \$30 oz. for the alkaloid, \$24.00@24.50 for the salicylate and \$18.00@18.50 for the sulfate. Other alkaloids are steady at former quotations.

Amidopyrine—Prices are unchanged with demand of a routine nature only.

Amyl Acetate—First hands are firm and unchanged at \$3.00@3.25 for the technical with U. S. P. at \$3.25@3.50 although some sellers are found at lower figures.

Antipyrine—There has been no change in this item with prices firm and demand normal.

Bay Rum—The market continues steady at recent declines with demand concentrating principally on imported at 85c@88c gal.

Bromides—The market for bromides is exceedingly quiet now and import costs continue high. Spot stocks are limited and price quotations are principally nominal.

Camphor—The spot market continues stiff with prices moving out as rapidly as they arrive. Prices are unchanged at 75c lb for Japanese 2½lb slabs, with American refined at 84c lb. Nearby positions are heard at 73c or 74c lb for the Japanese. There is little loose stuff in the spot market.

Codliver Oil—Primary markets continue high and with the consuming season just coming on higher prices are expected. At present, quotations range around \$40.00 @ \$41.50 bbl. as to brand, and some quarters indicate that a \$50 price is more than likely this fall.

Formaldehyde—Manufacturers state that the total production is moving rapidly into consuming circles at unchanged prices. The market continues firm with little likelihood of change.

Fusel Oil—Prices for this item continue to vary over a wide range, according to seller, but goods are available in quantities at \$2.20@2.25 gal. for the technical with refined unchanged at \$3.25@3.50 gal.

Glycerin—There has been little change in this market with C. P. steady at former quotations.

Haarlem Oil—There has been no change in this market since the recent weakening with domestic goods showing a slight range of prices and imported well maintained at \$3.60@3.65 gross.

Hexamethylene—Prices continue firm and the market is steady at American manufacturers' figures, despite recent offerings of foreign goods at somewhat below their prices.

Iodine—The market continues firm with prices strong and resale stocks almost up to manufacturers' figures.

Menthol—Lots offered by a large consumer have been selling at \$10.75 on the New York market and although importers have been unwilling to meet this all the way, they are now quoting \$11.00 which can be taken as the New York spot price. Future positions from Japan have been affected somewhat, and prices are slightly weaker over there, although spot prices here are below immediate replacements.

Mercury—Quotations continue at \$82.00@\$82.50 flask as to quantity and seller, and the shading mentioned last week, is no longer possible. Business is routine with very little outside buying appearing.

Silver Nitrate—This continues to advance, due to firmness of the metal and the latest price is 48 $\frac{1}{4}$ c@48 $\frac{3}{4}$ c oz.

Sodium Benzoate—Demand continues good from preserving trades and prices are firm at recent prices.

Sodium Citrate—All holders are now lower at the recently announced price of 54c lb for U. S. P. IX in kegs and 52c in barrels, with U. S. P. VIII at 47c lb in kegs and 45c in barrels.

Thymol—Quotations from abroad are much higher and \$4.05 is about the best that can be done for shipment. Domestic manufacturers are unchanged at \$4.00 @ \$4.25 with resale lots at about \$3.90@\$4.00.

Zinc Stearate—There has been no change in this market which is very firm at former quotations.

Alkaloids imported during June were as follows: Nux vomica, 335,496 pounds, valued at \$21,888; crude opium, 4,229 lbs. valued at \$29,610; quinine sulfate, 9,818 ounces, valued at \$3,767; other alkaloids of cinchona bark, 44,959 ounces, valued at \$24,148; strychnine and its salts, 16,400 ounces valued at \$5,864; other alkaloids, salts and derivatives to the value of \$677.

Foreign trade in prepared medicines continued to show gains in May, 1925, over May of the preceding year, although the total valuation of the exports of \$1,795,000, for May, 1925, was slightly less than for April and March. The imports of \$440,000 were the smallest for the year.

India and America are reported to be large buyers of Japanese refined camphor, according to T. Fujisawa Co., Osaka. London has not been so active, due to recent large shipments having been received there. Little tendency to recede from current prices is shown in Japan.

Hugo P. Boeddinghaus, chemist of Yonkers, N. Y., has filed a petition in bankruptcy, listing liabilities \$2,812 and assets \$100, claimed exempt. The principal creditor is the First National Bank, Milton, N. Y., on a judgment for \$2,299.

Camphor imports in June, were as follows according to the report of the Department of Commerce: Crude, 22,683 pounds, valued at \$11,601; refined, 44,458 pounds, valued at \$27,933; synthetic, 231,482 pounds, valued at \$114,022.

Researches carried out in the *materia medica* laboratory of the Paris Faculty of Pharmacy, are described in detail in the fifteenth volume of this work, published by Messieurs Perrot and Goris.

Baker Castor Oil Co.'s drawback for castor beans used in the manufacture of castor oil for export has been extended to include castor oil No's. 1 and 3 and the by-product, castor pomace.

ANTIMONY SALTS HIGHER IN LONDON

Advances Recorded in American Peppermint Oil, Mint Oil and Star Anise Seed Oil—Oil Bergamot Firmer—Bromides and Linseed Oil Easier—Salicylates Firmer—Castor Oil Lower

(Special Cable to Drug & Chemical Markets)

London, Sept. 9—Trading in drugs and chemicals is recovering. Higher prices are recorded this week on antimony salts, American peppermint oil, Japanese mint oil and oil spearmint, star anise oil and turpentine.

A firmer market has developed on senega root, oil bergamot, the salicylates, oil lavender and potassium carbonate.

Tannic acid, shellac, the bromides and linseed oil are easier.

Lower prices are announced on saffron, caffeine salts, cocoa butter, castor oil and hexamine.

London, Sept. 2 (By mail)—The feature of the week has been the further advance in the price of Japanese mint oil and the shrinkage in spot supplies; 19s per lb is now wanted and up to 17s 6d per lb for July-August shipment c. i. f. has been paid.

American Peppermint Oil is barely mentioned in the absence of price for new crop material; 52s 6d is talked of as likely to lead to business and about the same figure is quoted for French **Mitcham** to arrive.

Lobelia of new crop is higher at 1s 6d per lb c. i. f. forward.

White and Read Leads have again risen smartly in sympathy with the metal.

Soda Benzoate in the absence of available supplies of raw material of pure grade has advanced to 2s 1d per lb.

Saffron Valencia is again lower at 112s per lb.

Salicin has been marked down by makers to 13s per lb.

Codliver Oil is firm but inactive.

Ergot of Rye, new crop, is now quoted at 1s 8d per lb, c. i. f. for true grain Spanish while the smaller Portuguese variety is 1s 5d per lb c. i. f. to arrive.

Cloves, Zanzibar, are tending lower at 11d to 11 $\frac{1}{4}$ d per lb on spot.

Milk Sugar is again higher at 79s per cwt. for best powder.

Belgian Roman Chamomiles (new crop) Francs 1,480.

The Sesqui-Centennial Association has announced that the fiftieth annual convention of the American Chemical Society, to be held at Philadelphia next year, will be a definite part of the Sesqui-Centennial's program. About 2,000 chemists from all parts of the country will attend. During the meeting delegates from the International Union of Pure and Applied Chemistry, which will meet the week previous in Washington, will go to Philadelphia as guests of the convention.

Four insurance companies have declined to pay accident policies aggregating more than \$100,000 to the widow of Dr. Felix Frank, a wealthy experimental chemist, killed in an explosion in his laboratory in South San Francisco, March 22, 1924, holding that his death was not an accident, but a suicide. Suit has been begun by the widow to enforce payment. The policies were taken out only a few days before his death.

Powers-Weightman-Rosengarten Co's. September price list shows five declines and two advances.

The Crude Drug Market

Current Spot Quotations for Crude Drugs, pages 728-733

ERGOT HIGHER ON NEW CROP POSITIONS

Shipment Prices Over Spot Positions—Manna Higher—Buchu, Chinese Cantharides, and Pomegranate Bark Easier—Many Roots and Herbs Lower Following New Crop Receipts—Trading Inactive

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Advanced

| | |
|------------------------------|-------------------------------|
| Cassia, ¼c lb. | Marjoram Leaves, 3c to 9c lb. |
| Cinnamon, No. 2, ½c lb. | Mustard, ¼c lb. |
| Cloves, Zanz., ¼c lb. | Pepper, black, ¼c lb. |
| Ergot, 7c lb. | Rhatany Root, 1c lb. |
| Laurel Leaves, Ital., ¼c lb. | Rosemary Leaves, ½c lb. |
| Manna, 2c lb. | Snake Root, stripped, 15c lb. |

Declined

| | |
|------------------------------|---------------------------------|
| Balsam, Cop., S. A., 1½c lb. | Jalap Root, 1c lb. |
| Boneset Herb, 1c lb. | Lemon Peel, 1c lb. |
| Buchu, 2c lb. | Orange Peel, ¼c lb. |
| Canella Alba, 2c lb. | Pimento, ¼c lb. |
| Cantharides, Chin., 15c lb. | Pomegranate, Bark, tree, 7c lb. |
| Carnauba Wax, 1c lb. | Poppy Seed, Dutch, ¼c lb. |
| Cinnamon Herb, 1c lb. | Scammony Root, ¼c lb. |
| Culvers Root, ¼c lb. | Senna Pods, 3c lb. |
| Ginger, Afr., ¼c lb. | Skullcap, East., 12c lb. |
| | West., 6c lb. |

Trend of the Market

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|-----------------------------|-------|-----------|------------|-----------|----------|---------|
| Aconite Root, USP | .25 | .25 | .33 | .39 | .90 | .42 |
| Buchu Leaves, Short | .62 | .64 | .63 | .75 | 4.00 | .85 |
| Cantharides, Russian | .65 | .65 | .75 | .90 | 9.00 | 2.10 |
| Cocculus Indicus | .07½ | .07½ | .08 | .06 | .85 | .03 |
| Ergot, Spanish | .55 | .48 | .46 | .29 | 4.50 | .54 |
| Insect Powder, pure | .30 | .30 | .32 | .48 | 1.00 | .28 |
| Ipecac, Cartagena, powd.... | 2.60 | 2.60 | 2.60 | 2.25 | 4.50 | 1.35 |
| Nux Vomica | .05 | .05 | .05 | .05 | .14½ | .07 |
| Opium gum | 12.00 | 12.00 | 12.00 | 12.00 | 30.00 | 5.00 |
| Rhubarb Root, H D | .35 | .35 | .38 | .30 | 1.75 | .15 |
| Tragacanth No. 1..ribbon | 1.45 | 1.45 | 1.45 | 1.20 | 6.00 | 1.50 |
| Wild Cherry Bk. Thin nat | .08 | .08 | .08 | .08½ | .21 | .07 |

Average 1.581 1.577 1.596 1.57 5.28 1.60

Trading in crude drugs was inactive on account of the interruption brought about by the holiday. Over this slack trading, however, a number of prices showed material changes, due in most cases, to the receipt of information of new crop conditions. Quotations on new crop ergot are in advance of the spot market for old material and the spot price has advanced sharply. A number of commodities have shown declines due to the appearance of material from the new crop which has relieved the market of whatever strain existed in those particular quarters. There are still a number of commodities that are high and likely to remain high, however, due in some cases to actual shortages, and in other cases to a tendency on the part of producers to hold for high prices.

Arabic Gum—There has been considerable firming up in this market both locally and abroad. Prices as yet show no change, however.

Balsams—Still lower prices are quoted on South American copaiba which is now available at 46c@47c lb with Para unchanged. The firs remain quiet at unchanged prices with Tolu and Peru firm at former quotations.

Boneset—Stocks of the herb are now procurable on the spot market at the reduced price of 8c@8½c lb with the leaf unchanged at 9c@11c lb.

Buchu—The market for this commodity continues weak with full bales quoted at 62c@63c lb and less than

bales at 63c@65c lb. Demand has been slight for some time.

Canella Alba—The market for this product has weakened somewhat and it is now obtainable at 48c@50c lb.

Cantharides—Following the recent decline in the Russian insects. Chinese insects have also declined and are now available at 80c@85c lb with the powdered at \$1.00 @ \$1.15 lb. Russian remains weak at recent decline.

Conium Herb—There has been a weakening in this situation and the price has declined to 11c@12c lb with the seed unchanged at former quotations.

Culvers Root—This root has declined still further, following a decline last week and is now obtainable at 17c@18c lb.

Ergot—New crop goods are now being quoted at the advanced price of 57c@58c lb for shipment and are not very freely offered at those figures. There has been a response in the spot market for old goods which have advanced to 55c@57c lb. It is understood that less is harvested this year than in the past.

Gamboge Gum—This item remains scarce on the market and holders are asking \$1.15@ \$1.25 for the gum or \$1.35 for the powdered.

Insect Powder—Manufacturers are understood to have been buying flowers in large quantities with the result that prices from abroad have firmed up a bit. There has been no material advance, however, and the powder is unchanged at recent quotations.

Ipecac—The market is inactive at present prices with foreign exporters offering for shipment at about ten cents under the present spot market.

Jalap—The root is moving a bit more freely and is offered at the reduced price of 26c@27c lb. There has been no change in the powdered.

Juniper Berries—Some interest has been evidenced in this market and prices are understood to be firm at 5c@5½c for the ordinary or 6c@6½ for the sifted.

Laurel Leaves—Italian leaves have advanced and are now named at 4¾c@5c lb. Other varieties are unchanged.

Lemon Peel—The market for this has shown a lower tendency with prices now down to 7½c@8c lb.

Lycopodium—This item remains firm at recently advanced prices, and indications are that it will remain so.

Manna—The market for this item has stiffened up somewhat and large flakes are quoted at the advanced price of 62c@65c lb with small flakes at 40c@42c lb.

Marjoram—These leaves are practically off the market with the result that all quotations are nominal or for arrival and are advanced considerably. German is named nominally at 33c@34c, French at 45c@46c and Chilean at 31c@32c lb.

Orange Peel—Stocks of the bitter peel are in better supply and the price has declined to 7c@8c lb with the sweet unchanged at former figures.

Pomegranate Bark—One New York merchant has received a supply of the bark of tree which is being offered at the reduced price of 23c@25c lb with the probability that even better could be done on a large order. Root and fruit bark are unchanged at former figures.

Rhatany Root—This root has advanced to 10c@10½c lb.

Rosemary Leaves—There has been a slight stringency in this market and prices have been advanced to 7c@8c lb.

Scammony Root—This root has declined to 8½c@9c lb with the resin unchanged at former prices.

Seeds—This market has continued active. Dill is now easier, being offered for immediate arrival at 9½c@9¾c lb, although the spot market is still clean. Dutch poppy has declined a trifle and is now named at 10½c@10¾c lb.

Senna—The pods are easier at 14c@17c lb with leaves unchanged at old quotations.

Skullcap Leaves—There has been a radical reduction in this item due to new crop material being offered for immediate shipment and eastern leaves are now offered at 48c@50c lb with western at 24c@26c lb.

Spices—Activity continues good in the spice market. Batavia cassia is now up to 12¾c@13c lb for No. 1, and 11¾c@12c lb for shortstick, with China select rolls up to 9½c@10½c lb. Ceylon cinnamon No. 2, is up to 37½c@38c lb, with Zanzibar cloves up to 28¾c@28¾c lb. African ginger is easier at 15c@15½c lb with pimento down to 10¾c@11c lb. Black peppers have advanced to 19¾c@20c for Tellecherry, 21c@22c for Lampong, Muntok at 30c@31c, with white up to 29½c@30c lb. English and Dutch yellow mustards have both advanced to 10½c@12c lb with California brown up to 9¾c@9½c lb.

Waxes—New crop carnauba is now appearing on the market, with the result that No. 1 yellow is now obtainable at 37c@39c lb and No. 3 both North Country and chalky at 29c@32c lb. Ozokerite is firm with green at 30c@31c lb. Other grades unchanged.

JAVA PEPPER MARKET ACTIVE

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Buitenzorg, Java, Aug. 16—The market has been fairly active for pepper. Transactions were of sufficient size to keep values well supported. Spot prices appear to be firmer all around. June shipments were sold at florins 33.75 to florins 34; June-July, at florins 35; July at florins 37 and August-October from florins 30 to florins 30.37½, closing at florins 32.50 nominal. F. o. b., n. d. w. August-October fetched from florins 40 to florins 41.50 per picul.

In sympathy with black pepper, the spot market for the white product continued active and holders were very firm in their views. Opening at florins 59 per picul for ready stuff, the price soon went up to florins 60 and florins 62.50, whereas June-July shipment was done at rates ranging from florins 58.50 to florins 59.50. Speculators then forced prices up again to florins 66.50 for ready parcels.

FIX NEW JAVA EXPORT DUTIES

Java export duties for the third and fourth quarters of the current year are as follows:

| | Flor. 3rd quarter | Flor. 4th quarter |
|------------------|--------------------|--------------------|
| Copra | 0.524696 per picul | 0.568192 per picul |
| Coconut oil | 0.22 per 100 liter | 0.22 per 100 liter |
| Black pepper ... | 1.037568 per picul | 0.951104 per picul |
| White pepper ... | 2.260768 per picul | 1.97632 per picul |

Vita Manufacturing Co., is building a factory at Hayward, Cal., for the manufacture of medicinal chemicals for poultry and mixtures for spraying purposes. About \$25,000 will be invested in the plant.

Drug Trade Notes

Alcohol production in France during the first five months of 1925 totaled 1,658,000 hectoliters, against 1,272,000 hectoliters for the corresponding period in 1924.

Exports of castor oil from India during the first three months of the current year were 91,000 gallons against 36,000 during the same period of 1924, and 153,000 in 1923.

The German alcohol monopoly accepted from distillers 1,272,000 hectoliters for the corresponding period in ended September 1924 as against 1,959,768 the previous year. During purification, 303,443 kilos of fusel oil were obtained. Sales of alcohol aggregated 1,146,234 hectoliters as against 1,308,683 in the previous year.

Imports of pharmaceutical products into Venezuela during the second half of 1923 amounted to 1,909,000 bolivars of which 1,100,000 came from the United States. Toilet articles to the value of 735,000 bolivars were imported, of which 240,000 came from United States.

Exports of white pepper from Batavia, Java, for the first six months of 1925, were 368 tons only, against 1,161 tons and 999 tons for the same period of 1924 and 1923 respectively. Chief countries of destination are: U. S. (145 tons this year), Great Britain (61 tons) and Australia (59 tons).

The manufacture of sugar cane wax as a by-product of molasses has made rapid strides in Natal during the past few years. The present output is about 5,000 to 6,000 tons which vary in price from £15 to £20 per ton for the inferior grades to £40 to £50 per ton for fine black wax and as high as £80 per ton for pure white.

Opium production in Yugoslavia has prospered this year due to favorable weather conditions, a large crop with a high morphine content being reported, according to the "Farmaceutiski Vjesnik" Zagreb. It is estimated that the total crop will aggregate about 150,000 kilos, which should leave a surplus for export of about 100,000 kilos.

Black pepper exports from Java for the first six months of this year aggregate 4,382 tons only, against 7,534 tons and 6,538 tons for the corresponding periods of 1924 and 1923. The U. S. remains the principal buyer with 2,335 tons this year, against 3,468 tons in 1924. Shipments to Singapore (1,491 tons) were about equal to last year's.

Exports of spices from Java during 1923 and 1924 were as follows, according to the "Indian and Eastern Drug-gist": Cassia fistula, 161 tons and 114 tons; mace, 44 tons and 20 tons; cloves, 19 tons and 4 tons; nutmegs, 302 tons and 241 tons; white pepper, 2,208 tons and 2,879 tons; and black pepper, 7,973 tons and 13,389 tons.

Old Dominion Distillers Corp., has been incorporated under the laws of Virginia with a paid-in capital of \$1,500,000. The concern has completed the purchase of a large tract of water-front property in Norfolk from the Norfolk municipal government, upon which they will erect an industrial alcohol plant which is to be completed by Jan. 1, 1926. Capacity of the plant will be 25,000 gallons daily, and additional plants will be erected for reclaiming carbon dioxide and other by-products.

The Essential Oil Market

Current Spot Quotations of Essential Oils, pages 722-734, Aromatic Chemicals, 734

ADVANCES IN BERGAMOT AND ORANGE

Higher Cables Bring Rise in Spot Quotations—Dealers Advance Peppermint Following Move to \$15.00 in Country—Competition Drops Menthol Prices—Three-Day Holiday Slows Down Business

PRICE CHANGES IN NEW YORK (Stocks in First Hands)

Oil Orange, Ital., 15c lb. Oil Bergamot, 25c lb.
West Indian, 10c lb.

Advanced
Menthol, 25c lb.

Trend of the Market

| | Today | Last Week | Last Month | Last Year | War Peak | Pre-War |
|-----------------------------|---------|-----------|------------|-----------|----------|---------|
| Oil Bergamot | \$ 5.25 | \$ 5.00 | \$ 4.75 | \$ 3.50 | \$ 7.00 | \$ 5.00 |
| Oil Citronella Ceylon | .50 | .50 | .50 | .78 | 1.02 | .60 |
| Oil Cloves | 1.90 | 1.90 | 1.85 | 2.00 | 3.70 | 1.40 |
| Oil Lemon, Italian | 1.85 | 1.85 | 1.45 | .80 | 1.70 | 2.00 |
| Oil Peppermint Nat. | 15.00 | 14.50 | 13.00 | 4.35 | 9.00 | 2.24 |
| Oil Sandalwood, E. I. | 7.00 | 7.00 | 7.00 | 6.20 | 14.00 | 5.25 |
| Oil Sassafras, Artif. | .27 | .27 | .27 | .35 | 1.00 | .26 |
| Coumarin | 3.10 | 3.10 | 3.10 | 3.25 | 31.00 | 3.10 |
| Benzaldehyde U. S. P. | 1.30 | 1.30 | 1.30 | 1.50 | 5.15 | 1.50 |
| Methyl Salicylate Cans . | .43 | .43 | .45 | .47 | 1.00 | .85 |
| Vanillin | .49½ | .49½ | .49½ | .49½ | .96 | .20 |
| Average | 3.39 | 3.31 | 3.12 | 2.14 | 6.83 | 2.05 |

A fair accumulation of business was noted over the holiday, which was a three-day affair with most houses in the local markets. A tapering off of demand just prior to the close of last week was only natural as many factors left town Thursday evening and Friday morning. Prices, as a whole, are well sustained and strong sentiment in the trade is undiminished. Most eyes are on peppermint, the advance of ten days ago in the country causing considerable uncertainty among dealers who rather looked for lower prices for shipment. Higher prices on spot have naturally followed. Lemon and bergamot are strong with most sellers naming advanced quotations for the latter this week. Actual price revisions were few owing to the intervening holiday.

Essential Oils

Oil Almond—Apricot kernel oil continues strong and in small supply. Dealers quote 55c lb inside for spot goods. Sweet almond oil 75c up to 95c as to quality and quantity. Bitter almond \$3.00 up for U. S. P.; \$3.15 and up for f. f. p. a.

Oil Anise—U. S. P. oil has moved in routine quantities during the week at prices ranging from 70c up to 75c lb as to seller and quantities. Technical oil is named at 68c spot.

Oil Bergamot—Most dealers have advanced their quotations for bergamot. Standard brands are commanding \$5.25 up to \$5.75 lb as to seller. Oil can still be bought on spot at \$5.00, but it is mostly unknown quality. The majority of dealers quote \$5.50 as best. Cost of import still approximates the spot market.

Oil Cassia—Quiet and without change on spot. Stocks are sufficient for spot needs and prices are the same at \$2.75@3.00 lb for U. S. P.

Oil Citronella—Dull and easy but without revision in price on spot. Stocks are heavy and demand has continued below normal. This season has undoubtedly seen

the use of other odoriferous bases for mosquito dopes in many cases in place of citronella. Drums of pure oil best at 50c. Cans 52c. Range up to 55c as to seller and quantity. Offers for spot citronella also heard at 48c and 49c.

Oil Cloves—Continue very firm and an advance in price is said to be pending in one quarter. Spot cans from distillers at \$1.90; bottles \$2.00 and up. Outside stocks reported at the same level.

Oil Lemon—Shipment prices, plus duty and costs, approximate the spot market. Last week's advance for standard goods to \$1.85 lb has not been changed this week. A price of \$1.75 has been named during the week, but whether this can be done now is a question. No dealer in the trade is under \$1.85 for one and two case lots. The range goes to \$2.10 for some brands.

Oil Limes—Expressed quiet and in limited demand at \$5.00 lb spot. Stocks are not large, and are balanced by small inquiry. Distilled oil \$2.25.

Oil Orange—Orange prices went up this week. The trade here has been looking for an advance for some time, and apparently had given up the idea that it was to come. However, higher cables from Italy forced the spot market up 15c and best is now \$2.75 ranging to \$3.00 lb as to brand and quantity. West Indian at \$2.60 @ \$2.75.

Oil Peppermint—Following the move of the country to \$14.50, \$14.75 and \$15.00, spot dealers moved quotations to \$15.00 inside for natural oil in cases. U. S. P. was put up to \$16.00 inside. These prices range upward to \$16.50 for natural and \$17.00 for redistilled. A drum or two might be had on spot slightly lower, \$14.75. The rise in the country has somewhat shaken the confidence of bearish factors in the local market. The trade had been more or less confidently looking for a decline from the \$12.00 price named two weeks ago for shipment. A series of three or four advances to the farmers by country dealers was soon reflected in spot figures. Nobody appears certain of this market. The farmers are well off and can afford to carry their 1925 oil for some time. They may do this to hold the market up unless distillation by the middle of September shows a pronounced increase. Buying competition between country dealers is very keen and is going a long way toward holding prices high. Purchases for local dealer account at \$14.75 f. o. b. Michigan were said to have been made last Friday, which was followed by a rise to \$15.00 country.

Oil Spearmint—Not a great deal of activity. Advices from the Mid-West only emphasize the shortage of this crop this year. Spearmint has been almost completely neglected for peppermint growing. Spot stocks strongly held at \$9.00 lb. Any real buying could put this article to \$15.00 overnight.

Oil Wormseed—Quiet, but well maintained at formerly noted advance to \$5.00 lb. Country holding prices high without change. Demand is routine.

Aromatic Chemicals

Benzaldehyde—Unchanged at \$1.30 for U. S. P.; \$1.50 f. f. c., both from manufacturers. Imported at \$1.25 U. S. P. Competition continues keen with makers reported meeting the market.

Coumarin—Demand continues steady. Deliveries on contracts up to normal for this season. Prices firm at \$3.10@3.25 lb.

Menthol—Spot prices lower at \$11.00 lb for cases from leading importers. This compares with \$11.25 last week. Offers from a large consumer said to be under the \$11.00 figure. Imports cannot be replaced at this price to-day. October shipment from Japan reported slightly lower. Synthetic menthol in active demand at \$8.00 lb.

Vanilla Beans

No change in the soft position of spot vanilla is noted this week. Demand has kept small. Purchasers have been of routine quantities. Bourbons at \$5.00 up lb spot as to seller and quantity; Mexicans all the way from \$7.50 to \$9.50 as to grade, seller and quantity; Tahitis \$4.50 spot.

Owing to the high duties in Chile on toilet specialties the foreign-made, low and medium priced articles have been driven from the market and their places taken by similar goods of Chilean manufacture. The remainder of the field—that of the higher priced specialties—is left almost entirely to the foreign producers among whom little competition exists. In all lines except dentifrices, talcum powders, and soaps French goods predominate owing to the length of time these goods have been on the market and to the popular belief that French goods of this sort are superior to all others. American, Italian, German, and English toilet specialties are also found in the Chilean market.

Only 2,500,000 kilos of roses have been collected this season in Bulgaria compared with a pre-war average of 15,000,000 kilos, according to Enu Bontcheff, of Bontcheff & Kidoff, Kazanlik, Bulgaria, in accounting for the present high prices of otto of rose. During the war the peasants sacrificed some of their rose acreage for tobacco and other crops, but are now returning to rose cultivation, and the effect of this return should be evident by 1928.

The Japanese market for aromatic chemicals is steady and tending to advance, due to shortage of supplies. Clove oil, which is in special demand, gained 30 sen per pound at 5.80 yen. Fennel oil and cinnamon oil have gained 30 to 70 sen per pound during the last few weeks owing to the disturbances in China, which in addition to a greedy demand, is making an increasing shortage. Unless fresh supplies are received there will be another rise in prices.

Revised estimates indicate that the new Sicilian lemon crop may be about one-fourth less than that of last year, Consul Nathan, at Palermo, reports. The crop in the Palermo district is expected to be better than that in other parts of Sicily as a result of heavy rains in April and May. The size and quality of the fruit will be normal unless heavy rains should occur during September.

The 1925 crop of vanilla beans from Tahiti has been estimated at 2,000 tins against 2,500 tins exported during the 1924 season. According to Consul Lewis V. Boyle, the reasons assigned for the lower production are the long drought of last year, and the fact that farmers have pushed their vines too hard during the last two years in order to realize on the high prices.

Missouri's first peppermint crop, an experiment by a Mennonite colony, was grown this year, and the first cutting yielded 50 pounds of oil to the acre. It is estimated that the second cutting will yield 30 pounds to the acre.

LESS DEMAND FOR ESSENTIAL OILS

(Special Correspondence to DRUG & CHEMICAL MARKETS)

Catania, Sicily, Aug. 25—Inquiries for lemon juice are less numerous owing to higher quotations due to the low value of the lira (27.50 lira equal \$1; 134 lira equal £1 sterling, 6.40 lire equal one gold mark). Sweet orange and bitter orange oils are in smaller demand. Mandarin oil is almost entirely neglected, and the prices made from time to time are only nominal. Bergamot oil is in fair request for future delivery. The following table shows the fluctuations in prices per Sicilian pound in the past week:

| | Lira | | Lira |
|--------------------|-------|---------------------|-------|
| Lemon juice | 20-21 | Bitter orange | 28-32 |
| Sweet orange | 31-35 | Mandarin | 79-85 |
| Bergamot oil | 55-60 | | |

The Italian market for synthetic aromatics is still fair, despite the low value of the lira and the advanced condition of the period of maximum consumption. Quotations on leading items per kilo are as follows: Benzyl acetate, 32 lire; terpenyl acetate, 46 lire; benzyl alcohol, 32 lire; liquid artificial amber, 290 lire; carvol, 580 lire; citral, 135 lire; citrene, 48 lire; citronella, 218 lire; crystallized heliotropin, 70 lire; eucalyptol, 60 lire; eugenol, 150 lire; limonene, 68 lire; neroline, 45 lire; saphrol, 25 lire; terpineol, 23 lire; thymol, 250 lire; vanillin, 100%, 300 lire; wintergreen, 26 lire; yara yara, 42 lire.

RULES ON ALCOHOLIC PERFUMERY TAX

(Special to DRUG & CHEMICAL MARKETS)

Washington, D. C., Sept. 9—The procedure to be followed in collecting Internal Revenue taxes on alcoholic perfumery, opium, etc., is outlined by Col. Andrews in a letter to collectors as follows:

"Alcoholic perfumery; The internal revenue tax imposed on imported perfumes by Section 600 (e) of the internal revenue act of February 4, 1919, is collected by collectors of customs and deposited with the Treasury Department of the United States as internal revenue.

"Crude opium upon importation is ordered to Public Store and stamps in payment of the internal revenue tax are affixed under the supervision of customs officers

"Crude coca leaves upon importation are designated 'wharf examination, hold all, none to be released until internal revenue stamps have been affixed.' The internal revenue stamps are affixed to tags which are tied to the bales containing the coca leaves under the supervision of customs officers."

U. S. TAKES MORE OIL CITRONELLA

Java citronella oil sold cheaper during June, quotations dropping from florins 4.75 and florins 4.70 per kilo at the beginning of the month to florins 4.50 and florins 4.10 at the close. Total exports from Java for six months of 1925 show an enormous advance over the last two years, viz., 429,296 kilos, against 267,193 kilos in 1924 and 247,924 kilos in 1923. The U. S. took this year no less than 141,726 kilos, against 47,055 kilos and 112,128 kilos during the first half of 1924 and 1923. The next large buyers are Great Britain (58,541 kilos) and France (91,678 kilos).

Exports of citronella oil from Java during the first quarter of 1925 were 223,284 kilos compared with 131,936 for the same period in 1924, and 117,232 in 1923, United States was the principal buyer taking 77,011 kilos with France and Great Britain showing material increases over previous years.

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purity, in small
crystals as well as
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P-W-R

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Chemicals

ACID

| | | | |
|---|------|---|------|
| MURIATIC, 32° cty. lb/l | | | |
| vis.100 lb | 1.60 | : | 1.70 |
| Chys. c/l vis.100 lb | | : | 1.35 |
| Tank cars, vis.100 lb | | : | 1.00 |
| 18° 120 lb cty. | | | |
| c/l vis.100 lb | | : | 1.25 |
| Tank cars, vis.not ton | | : | |
| 22° 120 lb cty. | | | |
| c/l vis.100 lb | | : | 1.25 |
| Muriatic, CP & USP, see Acid Hydrochloric | | | |
| Naphthionic, tech 250 lb bbls lb | .55 | : | .59 |
| Nervic & Winthor's, 250 lb bbls | | : | .95 |
| NITRIC, 36°, 135 lb | | | |
| Chys. lb/l vis.100 lb | 4.75 | : | 5.00 |
| Chys. c/l vis.100 lb | 4.50 | : | 4.75 |
| 38° lb/l cty. vis.100 lb | 5.25 | : | 5.75 |
| Chys. c/l vis.100 lb | 5.00 | : | 5.25 |
| 40° lb/l cty. vis.100 lb | 5.75 | : | 6.00 |
| Chys. c/l vis.100 lb | 5.50 | : | 5.75 |
| 42° lb/l cty. vis.100 lb | 6.25 | : | 6.75 |
| Chys. c/l vis.100 lb | 6.00 | : | 6.50 |
| C. F. cty. single vis.100 lb | .12 | : | .13 |
| Gallic, 300 lb bbls, vis. | .10% | : | .11 |
| Bbls, NY | .10% | : | .11 |
| Kegs, 100 lb NY | .11% | : | .11% |
| Imp, 500 lb casks | .11 | : | .11% |
| Phenylmethanone, domestic | 9.20 | : | 9.60 |
| Imported, 5 lb | 6.00 | : | 6.25 |
| Phosphoric, 50% tech, 150 lb cty. | .07 | : | .07% |
| Spruy USP, 70 lb drums | .15 | : | .16 |
| Dennis | .16 | : | .17 |
| Imported | .15 | : | .16 |
| Second Hands | .15 | : | .16 |
| Phthalic, see Phthalic Anhydride | | | |
| Picramic, 300 lb bbls | | : | .50 |

ACID

| | | | |
|------------------------------------|-------|---|-------|
| Picric, 450 lb bbls | .36 | : | .37 |
| Bbls. car lots. vis. | | : | .35 |
| Pyrogalllic, cty. 5 lb cans | 1.25 | : | 1.30 |
| Resublimed, 5 lb cans | 1.50 | : | 1.60 |
| Tech. powd., 200 lb bbls | | : | .85 |
| Salicylic, tech., 125 lb bbls | .33 | : | .34 |
| USP, 100 lb bbls | .34 | : | .35 |
| Second Hands | .33 | : | .34 |
| Sulfanilic, 250 lb bbls | .15 | : | .16 |
| SULFURIC, 66° 180 lb cty. | | | |
| lb/l vis.100 lb | 1.50 | : | 1.85 |
| Chys. c/l vis.100 lb | | : | 1.25 |
| 1500 lb Drums, lb/l | | : | 1.10 |
| vis.100 lb | | : | .80 |
| Drums, c/l vis.100 lb | | : | .80 |
| Tank cars, vis.not ton | | : | 14.00 |
| 60° 1500 lb Drums | | | |
| lb/l vis.100 lb | | : | 1.00 |
| Drums, c/l vis. | | : | .80 |
| Tank cars, vis.not ton | 9.50 | : | 10.00 |
| C.F. 175 lb cty. | .07 | : | .08 |
| Oilum 20 p.e. 1500 lb drums | | : | 1.40 |
| lb/l vis.100 lb | | : | 1.15 |
| Drums, c/l vis.100 lb | | : | 1.15 |
| Tank cars, vis.not ton | 17.00 | : | 18.00 |
| Oilum, 40% drs lb/l vis. not ton | | : | 40.00 |
| Oilum, 60% drs., lb/l vis. not ton | 60.00 | : | 70.00 |
| Sulfuric, USP 6% 100 lb cty. | .65 | : | .66 |
| 4% 100 lb cty. | .04 | : | .05 |
| USP, 5 gal. drums | .04 | : | .05 |
| Tannic, tech. 300 lb bbls | .30 | : | .40 |
| USP, powd 200 lb bbls | .75 | : | .80 |
| USP, fluffy, 50 lb bbls | .75 | : | .80 |
| Tartaric, USP, cryst. 300 lb bbls | | : | .29 |
| USP, powd. 300 lb bbls | | : | .29 |
| Imp. USP, 240 lb bbls | .27% | : | .28 |
| Powd., 240 lb bbls | .28 | : | .28% |
| Tobias, 250 lb bbls | | : | .85 |

ACID

| | | | |
|----------------------------------|------|---|-------|
| Tungstic, 100 lb kegs | | : | 1.00 |
| Valeric C.F. 10 lb bot | 2.50 | : | 2.75 |
| Aconitine Alk. cryst. 1 oz vis. | | : | 30.00 |
| Amorphous, 1 oz vis. | | : | 20.00 |
| Adeps Lasee, hydrous 350 lb bbls | .13 | : | .21 |
| Anhydrous, 350 lb bbls | .18 | : | .23 |
| Albumen, Egg, edible | 1.20 | : | 1.25 |
| Tech. 100 lb drs | .95 | : | 1.15 |
| Blood 225 lb bbl | .48 | : | .55 |
| Vegetable | .50 | : | .55 |
| ALCOHOL, amyl See Fusel Oil | | | |
| Benzyl, 5 lb bot | 1.45 | : | 1.55 |
| Butyl 50 gal drs vis c/l | .24% | : | .25% |
| Drums, lb/l vis | .25 | : | .26 |
| Tank cars vis | .24 | : | .25 |
| Ethyl, USP, 190 pf 50 gal bbls | 4.94 | : | 5.04 |
| Second hands | | : | |
| Export | .64 | : | .69 |
| Anhydrous, drums c/l | | : | .66 |
| Cologne Spirit, 50 gal bbls gal | 5.04 | : | 4.14 |
| Denatured | | | |
| No. 1, complete denat. 190 pf | | : | |
| 50 gal bbl incl | | : | .61% |
| Carlots | | : | .39% |
| 50 gal drums extra | | : | .54% |
| Tank cars | | : | .52% |
| No. 1 Special denat. 190 pf | | : | |
| 50 gal bbl incl | | : | .60% |
| Car lots | | : | .58% |
| 50 gal drums extra | | : | .53% |
| Tank cars | | : | .51% |
| No. 5, Complete denat. 188pf | | : | |
| 50 gal bbl incl | | : | .60% |
| Car lots | | : | .58% |
| 50 gal drums extra | | : | .53% |
| Tank cars | | : | .51% |
| No. 6, Complete denat. 190 pf | | : | |
| 50 gal bbl incl | | : | .59% |
| Car lots | | : | .57% |
| 50 gal drums extra | | : | .52% |
| Tank cars | | : | .50% |

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Chemicals

ALCOHOL (cont'd)

In addition to the regular authorized formulae for completely denatured alcohol, some 75 formulae for specially denatured alcohol are authorized for special uses. Owing to the limitations of their uses however, prices are quoted by the alcohol producers only to holders of permits allowing the use of specially denatured formulae in products authorized by the Dept. of Internal Revenue.

| | | | |
|--|-----|------|-------|
| Diacetone, 50gal drs. fight allowed | gal | 2.15 | 2.30 |
| Isobutyl, crude, 50gal drs | gal | ... | ... |
| Refined, 100 lb cans | ... | ... | ... |
| Isopropyl, refined, 90-91%, 50 gal drs | gal | 1.00 | 1.25 |
| Ref'd 98-99% drs | gal | 1.25 | 1.50 |
| Phenylethyl, 1 lb bot., dom. | lb | 8.00 | 10.00 |
| Imported | ... | 7.00 | 7.75 |
| Propyl, nml, crd. 50gal drs gal | gal | ... | 4.40 |
| Ref'd 10 lb cans | ... | ... | 7.75 |
| Aldehyde Ammonia 100 gal drums | ... | ... | 9.93 |
| Alcin, USP, 100 lb cans | ... | ... | 8.85 |
| Alphas-Naphthol crude 300 lb bbls. | ... | ... | 6.65 |
| Refined | ... | ... | 5.90 |
| Alpha-Naphthylamine, 350 lb bbls. | ... | ... | 3.37 |
| Ton lots, bbls. wks. | ... | ... | 3.35 |
| ALUM, Ammonia, lump 400 lb bbls. | ... | ... | ... |
| wks., lc/l | ... | 3.15 | 3.50 |
| Imp., 500 lb casks | ... | ... | 3.75 |
| Ground, 400 lb bbls. wks. | ... | 3.50 | 3.75 |
| Powd. 380 lb bbls. wks. | ... | 3.55 | 3.90 |
| Chrome, 500 lb cks., wks. | ... | 5.25 | 5.50 |
| Potash, lump 400 lb bbls. | ... | ... | ... |
| wks. | ... | 3.50 | 3.75 |
| Bbls., c/l wks. | ... | 3.35 | 3.40 |
| Ground, 400 lb bbls. wks. | ... | 3.50 | 3.55 |

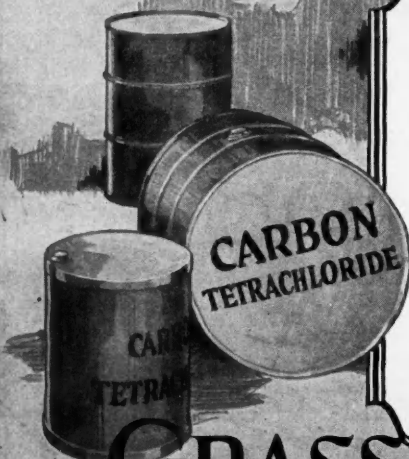
ALUMS, Potash (Cont.)

| | | | |
|--------------------------------|-----|-------------|-------|
| Imp. 350 casks | ... | 100 lb | 2.75 |
| Powd., 380 lb bbls. wks. | ... | 100 lb | 4.00 |
| Chrome, 500 lb cks. wks. | ... | 100 lb | 5.25 |
| Soda grd. 400 lb bbls. wks. | ... | 100 lb | 3.75 |
| Bbls. c/l wks. | ... | 100 lb | 3.50 |
| Aluminum, metal, c/l NY. | ... | 100 lb | 27.00 |
| Chloride, anhyd. 275 lb drs. | ... | ... | 2.20 |
| Crystals, 375 lb bbls. | ... | ... | 0.08% |
| 30% sol. 120 lb cys. | ... | ... | 0.03% |
| Hydrate 96% light 90 lb bbls. | ... | ... | 1.17 |
| Heavy 62-64%, 220 lb bbls. | ... | ... | 0.06 |
| 400 lb bbls. wks. | ... | ... | 0.06% |
| Stearate, 100 lb bbls. | ... | ... | 2.1% |
| SULFATE, Iron-free bags c/l | ... | ... | ... |
| wks. | ... | 100 lb | 2.00 |
| Bbls., c/l wks. | ... | 100 lb | 2.15 |
| Imported, spot | ... | 100 lb | 1.70 |
| Comm'l. 1/4 iron bgs c/l | ... | ... | 1.40 |
| wks. | ... | East 100 lb | 1.35 |
| Cont. bgs c/l wks. | ... | East 100 lb | 1.40 |
| Bags, c/l wks. W. | ... | East 100 lb | 1.40 |
| Bbls., c/l wks. East. | ... | East 100 lb | 1.55 |
| Bulk, c/l cont. wks. East. | ... | East 100 lb | 1.50 |
| Amidol (see Diaminophenol) | ... | ... | ... |
| Amidopyrine, Imp., 10 lb boxes | ... | ... | 4.80 |
| Domestic, 10 lb boxes | ... | ... | 5.00 |
| Ammonobenzene, 110 lb bgs | ... | ... | 1.15 |
| AMMONIA, anhyd. 100 lb cyl. | ... | ... | 3.30 |
| Water, 26° 800 lb drs. wks. | ... | ... | 0.06% |
| Dra. c/l wks. | ... | ... | 0.06% |
| C.F., cys. | ... | ... | 0.12 |
| Imp., 800 lb drs. incl. spot. | ... | ... | 0.06% |
| 26° 100 lb cys. lc/l wks. | ... | ... | 0.08% |
| Cys., c/l wks. | ... | ... | 0.08% |
| 20° 800 lb drs. c/l wks. | ... | ... | 0.04% |
| Cys. lc/l wks. | ... | ... | 0.05% |
| 18° 800 lb drs. c/l wks. | ... | ... | 0.04% |
| Cys. lc/l wks. | ... | ... | 0.04% |

AMMONIA (Cont.)

| | | | |
|-----------------------------------|-----|-----|-------|
| 18° 800 lb drs c/l wks | ... | ... | 0.03% |
| Cys., lc/l wks. | ... | ... | 0.04 |
| Ammonium Acetate, 100 lb kegs. | ... | ... | 4.43 |
| Benzonate, USP, 1 lb bot. | ... | ... | 1.27 |
| Bifluoride, 300 lb bbls. | ... | ... | 3.21 |
| 100 lb kegs | ... | ... | 2.22 |
| Bromide, 450 lb bbls. 50 lb bxs | ... | ... | 0.51 |
| Imported, 112 lb boxes | ... | ... | 0.55 |
| Shipment | ... | ... | 0.48 |
| Carb., tech. 569 lb cags. | ... | ... | 0.08% |
| Powd., tech. 385 lb bbls. | ... | ... | 0.07% |
| USP, lump, 100 lb kegs | ... | ... | 0.11% |
| Powd., 100 lb kegs | ... | ... | 0.13% |
| Chloride, Domestic | ... | ... | ... |
| White, 250 lb bbls. c/l | ... | ... | 0.07% |
| 250 lb bbls. lc/l wks. | ... | ... | 0.07% |
| Imported white 600 lb cks | ... | ... | 0.05% |
| Gray, 250 lb bbls. wks. | ... | ... | 0.07% |
| Bbls., c/l wks. | ... | ... | 0.07% |
| Imported gray 250 lb casks | ... | ... | 0.06% |
| Lump, 500 lb casks spot | ... | ... | 0.10% |
| Ichthyolate, as to brand. | ... | ... | 4.85 |
| Iodide, USP, 25 lb jars | ... | ... | 5.20 |
| Lactate, 500 lb bbls. | ... | ... | 1.15 |
| Nitrate, tech., cys., 225 lb bbls | ... | ... | ... |
| Refined Crystals, bbls. | ... | ... | 2.21 |
| CP gran. 100 lb kegs | ... | ... | 3.37 |
| Oxalate, pure, 100 lb kegs | ... | ... | 3.37 |
| Perulfate, 220 lb bbls | ... | ... | 2.28 |
| Phosphate, dibasic 200 lb bbls. | ... | ... | 0.38 |
| Tech. powd. 325 lb bbls | ... | ... | 0.18 |
| Mono, 325 lb bbls | ... | ... | 0.12% |
| Tri basic 325 lb bbls. | ... | ... | 0.04 |
| Salicylate USP, 100 lb kegs | ... | ... | 0.75 |
| Sulfate, bulk c/l | ... | ... | 2.75 |
| 200 lb double bags fas 100 lb | ... | ... | 2.75 |
| Sulfocyanide, tech., 100 lb kegs | ... | ... | 4.40 |
| CP, 25 lb jars | ... | ... | 0.50 |
| Amyl Acetate, tech 50 gal drs gal | ... | ... | 3.00 |
| Refined, 50 gal drums | ... | ... | 3.25 |
| Alcohol, see Fuel oil | ... | ... | 3.50 |

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10 GALLON - DRUMS

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Chemicals

| | | | | | | | | |
|--|---------|---------|--------------------------------------|---------|---------|--|------|-------|
| ANILINE OIL, 900 lb drums.... lb | .18 | .17 | BARIUM BINOXIDE, see Barium dioxide | | | Benzol, see Benzene | | |
| Hydro Bromide..... lb | .. | .75 | Bromide..... lb | .. | .44 | Benzonaphthol, 5 lb boxes.... lb | 3.50 | 3.60 |
| Aniline Salt, 200 lb bbls.... lb | .23 | .24 | Bromate..... lb | .. | .70 | Benzoyl Chloride, 500 lb drs.... lb | .. | 1.00 |
| Annatto, fine..... lb | .41 | .43 | Carbonate, precip., 300 lb bbls. | | | Benyl Acetate 100 lb chys.... lb | 1.55 | 1.75 |
| Anthracene 80-85% 600 lb cases | | | wks..... ton | 52.00 | 54.00 | Benzoate, 5 lb bot..... lb | 1.60 | 1.75 |
| wks..... lb | 60 | .65 | Precip., 200 lb bgs, wks, ton | 50.00 | 52.00 | Medicinal FFC..... lb | 1.75 | 2.00 |
| Anthraquinone, subh 125 lb bbls lb | .95 | 1.00 | Imports bags, NY..... ton | 47.00 | 50.00 | Chloride, 95% tech. 925 lb drs. lb | .. | .25 |
| Antimony metal, slabs ton lots.. lb | .16 1/4 | .16 3/4 | 200 lb bgs, wks..... ton | 60.00 | 62.00 | 100 lb chys..... lb | .25 | .30 |
| Needle Powd, 100 lb cases.. lb | .18 | .18 3/4 | Imports, large crystals, bbls., | | | Redistil 160 lb chys.. lb | .30 | .35 |
| Bromate..... lb | .. | 1.50 | spot..... ton | 58.00 | 60.00 | Formate, 1 lb bot..... lb | 3.25 | 3.50 |
| ANTIMONY CHLORIDE, anhyd 1000 lb | | | Dioxide, 88% 690 lb drs.... lb | .13 | .13 1/4 | Berberine Hydrochloride, 1 lb bot.... lb | .. | 22.50 |
| dra..... lb | .. | .35 | Import, 86-88% 400 lb drs. lb | .13 | .13 1/4 | Sulfate, acid or neut. 1 lb bot. lb | .. | 22.00 |
| 50 lb crocks..... lb | .45 | .48 | Hydrate, 500 lb bbls..... lb | .04 1/4 | .05 | BETA-NAPHTHOL, 350 lb bbls.wks lb | .24 | .25 |
| Sol'n, 130 lb carboys 33°.. lb | .. | .06 | Iodide, 5 lb box..... lb | .. | 5.15 | Carlots, wks..... lb | .. | .23 |
| Oxide, 500 lb bbls..... lb | .17 1/4 | .18 | Nitrate, 700 lb cases..... lb | .. | .10 | Sublimed..... lb | .55 | .60 |
| Salt, dom 500 lb bbls..... lb | .26 | .27 | Imports cases..... lb | .07 1/4 | .08 | Beta-Naphthylamine, tech. 200 lb | | |
| Imp. NY..... lb | .. | .. | Sulfocyanide, 600 lb bbls.... lb | .30 | .31 | bbls..... lb | .63 | .67 |
| Sulfuret golden 500 lb bbls.. lb | .. | .16 | Barytes, floated 350 lb bbls.wks ton | 23.00 | 24.00 | Sublimed, 200 lb bbls..... lb | .. | 1.35 |
| 330 lb kegs..... lb | .. | .17 | Imported..... ton | 29.00 | 33.00 | Bichloride Mercury, see Mercury Bichloride | | |
| Crimson, 500 lb bbls..... lb | .26 | .27 | Crude, c.l.f..... ton | .. | 9.00 | BISMUTH metal, 100 lb cases.. lb | .. | 2.95 |
| 336 lb kegs..... lb | .27 | .28 | Bay Rum, Porto Rico, genuine | | | Second Hands..... lb | 2.90 | 2.95 |
| Vermilion, 500 lb bbls.... lb | .48 | .53 | Medicated salicyl acid or tartar | | | Ammon. Citrate, USP, 5 lb cans lb | .. | 5.30 |
| 336 lb kegs..... lb | .50 | .52 | 45 gal bbls..... gal | .85 | .88 | Betanaphtholate, 5 lb bxs.... lb | .. | 3.30 |
| Tartrolactate, 500 lb bbls.... lb | .. | .45 | Medicated guanine sulf. 45 gal. | .85 | .88 | Citrate, USP, 5 lb cans.... lb | .. | 5.75 |
| Tribromide..... lb | .. | 1.05 | bbls..... gal | .. | .. | Nitrate, 25 lb jars..... lb | .. | 2.00 |
| Antipyrine, USP, 100 lb cases.. lb | 1.75 | 1.90 | Domestic synthetic, 50 gal. | .70 | .75 | Oxychloride, 25 lb bxs..... lb | .. | 3.50 |
| Second hands..... lb | 1.70 | 1.75 | Bbls..... gal | .. | .. | Phenolsulfonate, 5 lb cans.. lb | .. | 3.05 |
| Apomorphine Hydrochloride, 1/4 oz. via. oz | .. | 22.10 | St. Thomas | | | Salicylate, 25 lb bxs..... lb | .. | 1.95 |
| Areal, double 600 lb bbls.... lb | .12 | .14 | Medicated salicyl. acid or tartar | | | Subcarbonate USP, 25 lb bxs.. lb | .. | 3.45 |
| Triple, 600 lb bbls..... lb | .16 | .17 | emetie, 50 gal bbls.... gal | .90 | .95 | X-Ray diag 1 lb bot..... lb | .. | 3.80 |
| Conc., 600 lb bbls..... lb | .13 | .20 | Benzaldehyde, tech. 945 lb drs. | | | Subiodide, 5 lb lots..... lb | .. | 4.55 |
| Arecoline Hydrochloride, 1 oz. vial. oz | 8.75 | 10.25 | wks..... lb | .70 | .75 | Subnitrate, USP, 25 lb jars.... lb | .. | 2.75 |
| Argem. red powd., 350 lb bbls.. lb | .06 1/4 | .07 | USP, 40 lb chys..... lb | 1.15 | 1.30 | Second hands..... lb | 2.60 | 2.75 |
| Armenic metal 220 lb kegs..... lb | .. | .45 | FFC, 40 lb chys..... lb | 1.40 | 1.50 | Cones, 1 lb bot..... lb | .. | 3.75 |
| Red., 224 lb kegs cases.... lb | .13 | .13 1/4 | BENZENE, 90% 8000 gal. tanks | | | Subsalicylate, USP, 25 bxs.. lb | .. | 3.05 |
| White 220 lb cases to 550 lb | | | wks..... gal | .. | .24 | | | |
| bbls, NN..... lb | .03 1/4 | .04 | 110 gal drs wks..... gal | .. | .29 | | | |
| Asbestine, c/1..... ton | 16.00 | 18.00 | Pure Tanks, wks..... gal | .. | .25 | | | |
| 1c/1..... tons | 20.00 | 22.00 | 110 gal drs wks..... gal | .. | .30 | | | |
| Aspirin, see Acid acetylsalicylic | | | Benzidine Base, dry 250 lb bbls. lb | .75 | .76 | | | |
| Atropine Alk, USP 1 oz vial.... oz | 6.50 | 7.50 | Benzidine Sulfate, paste 350 lb | | | | | |
| Sulfate, 5 oz cans..... oz | .. | 8.50 | bbls..... lb | .70 | .72 | | | |
| Single ounce..... oz | .. | 8.65 | | | | | | |
| Second hands..... oz | .. | 3.00 | | | | | | |

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Sulphate and Minor Salts

Excel in Purity, Uniformity
and Brilliant Crystallization

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Sulfate } "Roche"
Bisulfate }

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13 Cliff Street, New York

Chemicals

SISNUTH (Continued)

| | | |
|---|---------|---------|
| above on basis 25 lb lots. | | |
| Smaller lots at an advance. | | |
| Tri-Bromophenol.....lb | 4.00 | |
| Black Fixe, dry 400 lb bbls. wks. ton | 80.00 | 96.00 |
| Imported, bbls.....ton | 70.00 | 72.00 |
| Paste, 650 lb bbls.....ton | 55.00 | 65.00 |
| BLEACHING POWDER, 700 lb drs. | | |
| c/l wks.....100 lb | 2.00 | |
| Drums, 1c/l ex-warehouse.....100 lb | 2.35 | 2.60 |
| Contract, c/l wks.....100 lb | 1.90 | 2.15 |
| Drums, 1c/l wks.....100 lb | 2.15 | 2.40 |
| Imported spot.....100 lb | 1.90 | 2.05 |
| Blood, dried, f.o.b. NY.....unit | 3.90 | & .10 |
| Chicago.....unit | 4.50 | & .10 |
| 8 Am. shipment.....unit | 4.35 | & .10 |
| Blue Ointment, see Mercury | | |
| Blues, bronze Chinese, Milford, | | |
| Fransian, Soluble.....lb | .33 | .35 |
| Blue Vitriol, see Copper Sulfate | | |
| Bone 3 & 50 gr. steam Chgo.....unit | | 30.00 |
| Raw, NY.....ton | | 38.00 |
| Bone Ash, 100 lb kegs.....lb | .06 | .07 |
| Black, 200 lb bbls.....lb | | .08 1/4 |
| Borax, crys. 400 lb bbls.....lb | .05 1/4 | .05 1/2 |
| Powdered, 300 lb bbls.....lb | .05 | .05 1/2 |
| Kegs, 100-150 lb.....lb | .05 1/4 | .06 |
| Bordeaux Mixture, 16% pd. bbls. lb | .11 1/4 | .18 |
| Paste, bbls.....lb | .08 | .10 |
| Borneol, See Aromatic Chemicals | | |
| Urinestone, see Sulfur | | |
| (Freight allowed) | | |
| British Gum, com c/l.....100 lb | | 4.72 |
| 1c/l.....100 lb | | 4.82 |
| Bromide, see potas. bromide, etc | | |
| Bromine, bot. in 50 lb cs. wks.....lb | .45 | .47 |
| Bromobenzene, 600 lb drums.....lb | | .50 |
| Bromoform, USP, 5 lb bot cs.....lb | 1.85 | 1.85 |
| Breidol Alkaloid, 100 ozs.....oz | | .10 |
| Sulfate, 100 ozs.....oz | | .10 |
| Butter of Antimony, see Antimony Chloride | | |
| Butyl Acetate tank cars, wks., gal | | 2.00 |
| Drums c/l wks.....gal | | 2.04 |
| Butylaldehyde, 50 gal drs.....lb | .70 | .75 |

| | | |
|--------------------------------------|-------|---------|
| CADMIUM, metal 100 lb bxs.....lb | .70 | .75 |
| Bromide, 50 lb cases jars wks lb | 1.15 | 1.20 |
| Iodide, 10 lb bot.....lb | | 4.45 |
| Sulfide, cs.....lb | 1.20 | 1.25 |
| CAFFEINE ALK, USP 5 lb cans.....lb | 3.75 | 3.85 |
| Second Handos.....lb | 3.50 | 3.60 |
| Hydrochloride, 1 lb bot.....lb | 6.05 | 6.55 |
| Sulfate, 1 lb bot.....lb | 5.40 | 5.90 |
| Citrate, 25 lb cans.....lb | 2.70 | 2.90 |
| Hydrobromide, 1 lb bot.....lb | 4.35 | 4.90 |
| CALCIUM, Acetate, 150 lb bgs c/l | | |
| 100 lb.....lb | 2.75 | |
| Arsenate, 100 lb bbls c/l wks lb | .07 | .08 |
| Bromate.....lb | 1.50 | |
| Bromide, 100 lb cs.....lb | | .60 |
| Carbide, 220 lb dr. c-l wks.....lb | | .04 1/4 |
| Carbonate tech. 100 lb bags | | |
| c/l.....100 lb | 1.00 | 1.10 |
| USP, precip. 175 lb bbls.....lb | | .06 1/2 |
| Chloride, solid, 650 lb drs. c/l | | |
| f.o.b. wks.....ton | 21.00 | 23.00 |
| Imp.....ton | 19.00 | 20.00 |
| Flake, 375 lb drs. c/l drs. f.o.b. | | |
| wks.....ton | | 27.00 |
| Anhyd, 350 lb drs f.o.b. NY lb | .18 | .20 |
| Glycerophosphate, 250 lb bbls.....lb | | 1.40 |
| Hydrate, see Lime | | |
| Hypophosphite, USP; 25 lb cans lb | .60 | .65 |
| Iodide, 5 lb bot.....lb | | 4.35 |
| Lacate, tech, 500 lb bbls.....lb | | .35 |
| USP.....lb | .50 | .60 |
| Nitrate, 220 lb bbls. c/l NY ton | | 50.00 |
| Phosphate tech. 450 lb bbls lb | .09 | .10 |
| Phosphate, precip. tribasic, 200 lb | | |
| bbls., wks.....lb | .11 | .14 |
| Phosphate, mono, 325 lb bbls lb | .07 | .08 |
| Sulfocarbonate, 100 lb kegs.....lb | .85 | .87 |
| CAMPOR, Amer. ref. 350 lb | | |
| bbls.....lb | | .84 |
| 2 1/2 lb slabs, 100 lb cs.....lb | | .85 1/4 |
| 1 lb cakes, 100 lb cs.....lb | | .85 1/4 |
| 1 oz. tab., 1 lb ctns.....lb | | .90 |
| 100 lb cs.....lb | | .90 |

CAMPOR (Cont.)

| | | |
|--|---------|---------|
| Jap. ref., 2 1/2 lb slabs, 100 lb | | |
| cs.....lb | | .75 |
| 1 oz. tab., 100cs.....lb | | .89 |
| cs.....lb | | |
| 1/2 oz. tab., 100 lb cs., 1 lb | | |
| tins.....lb | | .91 |
| Chinese ref. 2 1/2 lb slabs 100 lb | | |
| cs.....lb | | |
| Crude, 100 lb cs.....lb | .54 | .56 |
| Camphor, Liniment, bbls.....gal | 2.30 | 2.40 |
| Camphor, L. aobrom, 100 lb cs.....lb | 1.85 | 1.90 |
| Caramcl. 50 gal. bbls.....gal | .85 | .90 |
| Carbazol, 250 lb bbls.....lb | | .50 |
| Carbon Bisulfide, 500 lb drs lcl/NY lb | .06 | .06 1/4 |
| c/l drums, NY.....lb | | .05 1/4 |
| Carbon Black, c/l wks. bgs.....lb | .07 | .08 |
| 100-300 lb cases 1/cf NY.....lb | .11 | .12 |
| Decolorizing 40 lb bgs c/l.....lb | .08 | .15 |
| 90 lb drums, c/l.....lb | .08 1/4 | .15 1/4 |
| Carbon Dioxide, Liquid, 20-25cy. lb | | .06 |
| Tetrachloride, 1400 lb drs NY lb | .07 | .07 1/4 |
| Drums, c/l NY.....lb | | .06 1/4 |
| 700 lb drs, single NY.....lb | .07 1/4 | .08 |
| Carmine, No. 40, 5 lb boxes.....lb | 5.00 | 5.25 |
| Casein, edib, 100 lb keg.....lb | .45 | .65 |
| Tech. 200 lb bbls.....lb | .13 | .14 |
| 100 mesh.....lb | .14 1/2 | .17 |
| Castoreum, See Aromatic Chemicals, Perfumers, Sun- | | |
| dries | | |
| Castor Oil, USP, 50 gal. bbls.....lb | 17 | .17 1/4 |
| Cases, 80 lb 2 tins.....lb | .18 | .18 1/4 |
| Tech. see Fixed Oils | | |
| Caustic Potash, see potash, caustic | | |
| Soda, see soda, caustic | | |
| Cellulose Acetate, 100 lb cases.....lb | 2.00 | 2.50 |
| Cerium Oxalate, USP 100 lb kegs lb | .35 | .36 |
| Chalk, drop 175 lb bbls.....lb | .03 | .03 1/4 |
| Precip light 560 lb csks.....lb | | .04 1/4 |
| Precip. heavy 560 lb csks.....lb | | .02 1/4 |
| Bulk.....ton | 5.00 | |
| Precip. English, 7 lb bags.....lb | | .08 1/4 |
| Precip. heavy 560 lb csks.....lb | | .03 1/4 |



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Reagent for manufacture of fine chemicals

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Acetaldehyde
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Ethylene Chlorhydrin
Ethylene Dichloride
Ethylene Glycol
Ethylene Oxide
Glycol Diacetate
Isopropanol
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Chemicals

| | | | | | | | | |
|--|---------|-------|---|-------|------|---|---------|-----------|
| CHARCOAL (Cont.) | | | Cinchonidin Sulfate, 1000m tins. | | | Cochineal alk. USP, 1 oz. vial. | | |
| Wood, powd., 100 lb. bbls. | .04 | .05 | Resale, 10000m lots 34 | .35 | | Salicylate, 1 oz. vial. | 15.07 | |
| Willow, powd., 100 lb. bbls. | .06 | .06% | Cinchonine alk. powd. 100 oz. tins. | .48 | | Colloidal USP 300 lb. drums. | .28 | |
| Chestnut, clarified, 25% tin, wts. | .01% | .02 | Crystal 35 | | | COPPER metal electrolytic c/l | | |
| Bbls., wts. | .02% | .02% | Sulfate 100 oz. tins. | .35 | | NY 100 lb. | 14.75 | 14.87 1/2 |
| Powd., 60% 100 lb. bags, wts. | .05% | .05% | Citric Acid, see Acid Citric | | | Lake c/l NY 100 lb. | 14.75 | 14.87 1/2 |
| Derolized bags, wts. | .06 1/2 | " | Citric Ointment, see Mercury | | | Casting, c/l NY 100 lb. | | 14.00 |
| China clay, Dom bulk wks. | 6.00 | 9.00 | Coal Tar, See Tars | | | Carbonate 400 lb. bbls. | .16% | .17 1/2 |
| Washed & Ground, wts. | 11.00 | 15.00 | Cobalt metal, 100 lb. kegs. | 2.50 | 3.00 | Chloride, 250 lb. bbls. | | .28 |
| Imp., Filler Clay 15.00 | 23.00 | | Cobalt Oxide, 500 lb. bbls. | | 2.10 | Cyanide, 100 lb. drums. | .48 | .50 |
| Coating 20.00 | 25.00 | | 10 lb. tins, 200 lb. cases. | | 2.20 | Iodide, 5 lb. bot. | | 5.85 |
| Chloral Hydrate, USP 100 lb. drs. | .60 | .65 | COCAINE alk., USP, 1 oz. vial. | | | Oxide, red 100 lb. bbls. ton lots | 16 1/2 | 17 |
| 25 lb. jars68 | .70 | | Hydrochloride. USP—1 oz. vials. | 10.57 | | Sub-Acetate, verd. 440 lb. bbls. | .20 | .21 |
| Cinchonidin. 140 lb. drs. | | .48 | 25 oz. | 8.07 | | SULFATE crys., 450 lb. bbls. lc/l | | |
| Chloramine-T, 200 lb. bbls. | 1.35 | 1.50 | In 1/4 oz. vials. | 8.50 | | spot 100 lb. | 4.70 | 4.80 |
| Chloroform. 5 lb. bot. | .55 | .65 | In crystals, granular, powder, or flaky crystals as desired. | | | Carlots bbls delivered 100 lb. | 4.45 | 4.50 |
| Chlorhydrin, Ethylene anhyd. 600 lb. drums. | .75 | .85 | Cocoa Butter, bulk, 200 lb. bales c/l 34 | | | Carlots bbls F O B NY 100 lb. | 4.45 | 4.50 |
| 40% soln. 100 lb. cys. | .25 | .30 | Fingers, cakes, etc., 12 lb. bxs. | .37 | | Imp. 550 lb. cks spot. 100 lb. | | |
| CHLORINE, Liquid 2000 lb. cyl. | | | CODEINE, alk., oz. vials. 10 oz. lots 9.87 | | | Powdered, 350 lb. 5 bbls 100 lb. | | 5.60 |
| c/l wts. | .04% | | Hydrobromide, 1 oz. vials, 10 oz. lots 7.92 | | | Copperas, bulk, c/l wts. | 13.00 | |
| Tank car lots, wts. Contract. | .04 | | Hydrochloride, 1 oz. vials, 10 oz. lots 7.42 | | | 200 lb. bgs, c/l wts. | 16.00 | |
| 100 lb. cyl. c/l05% | .05% | | Nitrate, 1 oz. vials, 10 oz. lots 8.87 | | | 400 lb. bbls, c/l wts. | 17.00 | |
| 100 lb. cyl. lc/l wts.07 | .08 | | Phosphate, 1 oz. vials, 10 oz. lots 7.42 | | | Powdered, bbls. 100 lb. | 1.90 | 2.00 |
| 100 lb. cyl. lc/l ex-warehouse.08 | .00 | | Salicylate, 1 oz. vials, 10 oz. lots 7.42 | | | Sugar, 400 lb. bbls. 100 lb. | 1.35 | 1.35 |
| Chlorobenzene, mono. 100 lb. drs. | | .10 | Sulfate, 1 oz. vials, 10 oz. lots. | 7.92 | | Corn Syrup, 43 deg. 50 gal. | | |
| wts. | .08 | .10 | Small sizes, 1/4 oz. vials, 50c extra. | | | bbls 100 lb. | | 3.86 |
| Dr. c/l wts. | .07% | | 1/4 oz. 30c extra, singles 7c extra per oz.—25 oz. lots, 10c on cheaper than above. Less than 10 oz. 15c on higher than above | | | 43 deg. 50 gal. bbls 100 lb. | | 3.91 |
| Tank car lots wts. | .07% | | CODLIVER OIL, Norwegian, 30 gal. bbls 40.00 | 41.50 | | 44 deg. 50 gal. bbls 100 lb. | | 3.98 |
| CHLOROFORM, USP, 50 lb. drs. | | | | | | 45 deg. 50 gal. bbls 100 lb. | | 4.05 |
| Second Hands, 650 lb. drs. | .28 | .27 | | | | Corn Sugar, see Glucose | | |
| Technical, 650 lb. drums. | | .28 | | | | Cotton Soluble, 100 lb. bbls wet lb. | .40 | .42 |
| Chlorophyll, Oil Sol. | 2.50 | 2.75 | | | | Cottonseed, Meal, 7% ton | 33.00 | 35.00 |
| Water Sol. | 3.75 | 4.00 | | | | Coumarin, 25 lb. tins 100 lb. | 3.10 | 3.25 |
| Chromum Acetate, 20° soln. 400 lb. bbls. | | .05% | | | | CREAM TARTAR, USP, 300 lb. | | |
| Fluoride, Powd., 400 lb. bbls. | .24 | .26 | | | | bbls 32 | .22% | |
| Chrome Greene, CP26 1/2 | .38 | | | | | Imp. powd. USP, 224 bbls. | .21 1/2 | .22 |
| Comm.06 1/2 | .11 | | | | | Crocote, USP, 43 lb. cys. | .40 | .42 |
| Yellow18 | .30 | | | | | Carbonate, 100 lb., 50 lbs., | 1.70 | 1.80 |
| Chrysarobin Powd., 400 lb. bbls. | 4.50 | 4.75 | | | | Crocote Oil, 50 gal. drs. | .20 | .30 |
| Cinchonidin alk., powd 100 oz. tins. | | .60 | | | | Cross, USP, 400 lb. drums. | .18 | .20 |
| Crystal65 | .68 | | | | | Cudbear, English 19 | .30 | |

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Chemically identical with Japanese Menthol and meeting the same requirements at much lower cost.

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Bismuth Subnitrate Opium Powder, U. S. P.
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Morphine and its Salts Quinine and its Salts
Strychnine and its Salts

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Chemicals

| | | | | | | | | |
|--------------------------------------|-------|---------|-------------------------------------|-------|---------|------------------------------------|-------|---------|
| Cutex, Bangon, 100 lb bales...D | ... | .22 | Divi Divi Extract.....D | .04 | : nom | Ethylidenaniline.....D | #2 | : .65 |
| Tablets, 120 lb boxes.....D | .13 | : .14 | Pods bags.....ton | 53.00 | : 54.00 | Eucalyptol, 25 lb cans.....D | ... | : .90 |
| Borneo, solid, 100 lb bales...D | .04% | : .04% | Jover's Powder, USP 5 lb tin...D | 2.20 | : 2.20 | Feldspar, bulk.....ton | 30.00 | : 25.00 |
| Liquid, 500 lb bbls.....D | .08% | : .11 | Ortholine Sulfate, 1 cu. vial...D | ... | : 80.07 | FERRIC CHLORIDE, tech. crys. | | |
| Cyanamide, bulk c/l wks, amm unit | 1.90 | : 2.05 | EARTH, Diatomaceous, see Kieselguhr | | | 475 lb bbls.....D | .05 | : .06 |
| Imp amm.....unit | 2.00 | : 2.30 | Egg Yolk, 200 lb cs.....D | .48 | : .50 | Imported.....D | .04% | : .05 |
| Cyclohexanol, see Hexylene | | | Emetine alk., 15 gr. vial...D | ... | : 1.30 | C.P. crys. 100 lb bags.....D | ... | : .10 |
| Cymene, see Para-Cymene | | | Hydchilde, USP, 1 cu. vial...D | 17.00 | : 17.87 | Imported.....D | .06 | : .06% |
| Dextrin, white corn 140 lb bbls | | | 15 gr. vial.....D | ... | : .83 | Neut. Sol'n 42° 140 lb cbs...D | .06% | : .07 |
| c/l.....100 lb | ... | : 4.42 | EPSON SALT, tech. 300 lb bbls | ... | | 46° 140 cbs...D | .08 | : .08% |
| c/l.....100 lb | ... | : 4.52 | NY.....100 lb | ... | : 2.15 | USP Sol'n 125 lb cbs...D | .06% | : .07 |
| Canary.....100 lb | ... | : 4.47 | Bbls. c/l NY.....100 lb | ... | : 2.00 | Bromide, solution.....D | ... | : .55 |
| bags 1c/l.....100 lb | ... | : 4.52 | 100 lb c/l NY.....100 lb | 1.50 | : 1.75 | Ferrous Bromide, sol'n.....D | ... | : .55 |
| Potato, white, 220 lb bags 1c/l...D | ... | : .08% | Imp., 220 lb bags c/l | ... | | Chloride, crys tech 475 lb bbls D | .05 | : .06 |
| Yellow 220 lb bags.....D | ... | : .08% | NY.....100 lb | 1.20 | : 1.25 | Sulide, 1000 lb bbls...100 lb | 2.50 | : 3.00 |
| Tapioca, 200 lb bags 1/1...D | .07% | : .08% | USP, 300 lb bbls. 10 bbls.100 lb | ... | : 2.50 | Fish Scrap, dried wks.....unit | 4.50 | : .10 |
| DIAMINOPHENOL, 100 lb bags...D | ... | : 3.80 | Carlota, bbls.....100 lb | 2.00 | : 2.25 | Norfolk & Balt basis.....unit | 4.65 | : .10 |
| Diamyl Phthalate drms wks...gal | 4.00 | : 4.15 | Imported, 400 lb bbls.....100 lb | 1.85 | : 1.90 | Flake-White, see lead white | | |
| Dianilidine, 100 lb bags.....D | 3.50 | : 3.60 | 100 lb bags.....100 lb | 2.00 | : 2.20 | Flavine, Lemon.....D | .90 | : .95 |
| Dibutyl Phthalate, wks.....D | .43 | : .53 | Ergotin, Bonjean, 1 lb jars.....D | 6.00 | : 6.37 | Orange.....D | .85 | : .90 |
| Dibutyl Tartrate, 50 gal drums D | .55 | : .65 | Esarine alk., 1 cu. vial...D | ... | : 80.07 | Fluorapat, 95% 230 lb bags, ex- | | |
| Dichlorobenzene, 1000 lb drs...D | .06 | : .07 | Salicylate, USP, 1 cu. vial...D | 24.00 | : 24.50 | dock.....ton | ... | : 25.00 |
| Dichloromethane, Drums wks.....D | ... | : .50 | Sulfate, USP, VIII, 1 cu. vial...D | 18.00 | : 18.50 | 96% bgs.....ton | ... | : 35.50 |
| Diethylamine, 400 lb drs.....D | ... | : 2.25 | ETHER, USP, 55 lb drums.....D | ... | : .16 | 98% bgs.....ton | ... | : 35.00 |
| Diethylamine, 850 lb drs.....D | .55 | : .60 | Anaesthesia, 55 lb drums.....D | ... | : .19 | FORMALDEHYDE, USP 400 lb bbls | | |
| Diethyl Carbonate, drms.....gal | 1.85 | : 2.00 | USP, 1880 55 lb drums.....D | ... | : .45 | c/l wks.....D | .08% | : .09 |
| Diethyl Phthalate, 25 lb cans...D | .35 | : .40 | Washed, 55 lb drums.....D | ... | : .37 | Carboys, 100 lb 1c/l wks...D | ... | : .10% |
| 1000 drs.....D | .30 | : .35 | Motor 1 lb bottles.....D | .30 | : .32 | Bbls, 400 lb 1c/l wks.....D | .09 | : .09% |
| Diethyl Sulfate tech. 50 gal. drs. D | .20 | : .25 | Other, Nitrous, 1 lb bot.....D | .90 | : .95 | Formaldehyde Aniline 100 lb drms D | .40 | : .42% |
| CP drums.....D | .40 | : .50 | Ethyl Oxalate drums wks.....D | .45 | : .55 | Formal Flour.....D | .02% | : .04 |
| Digitalin, Pure, 1 cu. vial...D | .75 | : 1.25 | Ethyl acetate, 99% 50 gal. drs.gal | 1.15 | : 1.18 | Formandine.....D | .38 | : .40 |
| high test.....D | 15.00 | : 15.50 | 85% Ester, 100 gal. drs...gal | ... | : .90 | Fuller's Earth, 300 lb bgs. c/l | | |
| Dimethylaniline, 840 lb drs wks...D | .23 | : .24 | Carlota, drums.....gal | ... | : .85 | mines.....ton | 15.00 | : 17.00 |
| Dimethylamine, 400 lb drs.....D | ... | : 2.80 | Refined, drums.....gal | 1.72 | : 1.85 | Imported, 230 lb bags, NY.....ton | 35.00 | : 40.00 |
| Dimethylsulfate, 100 lb drs.....D | ... | : .50 | Aceto Acetate drms wks.....D | .90 | : .95 | Furfural, 300 lb bbls.....D | .23 | : .25 |
| Dinitrobenzene, 400 lb bbls.....D | .14% | : .15% | Benzyl Aniline, 300 lb drs...D | 1.05 | : 1.10 | Fusel Oil, 10% Impurities, drs gal | 2.20 | : 2.60 |
| Dinitrochlorobenzene, 400 lb bbls. D | .15 | : .16 | Bromide, 115 lb drs.....D | ... | : .50 | Refined.....D | 3.25 | : 3.50 |
| Dinitrochlorine, 300 lb bbls.....D | .18 | : .19 | Chloride, 200 lb drs., 15 lb cyl. D | .26 | : .35 | Fusile, solid 50 lb boxes.....D | .20 | : .23 |
| Dinitronaphthalene, 350 lb bbls...D | .32 | : .34 | Lactate drums wks.....gal | 4.00 | : 4.15 | Crystals, 100 lb boxes.....D | .20 | : .22 |
| Dinitrophenol, 350 lb bbls.....D | .32 | : .35 | Methyl Ketone, 50 gal. drs...D | .27% | : .28 | Liquid, 51°, 600 lb bbls...D | .09 | : .10 |
| Dinitrotoluene, 300 lb bbls.....D | .18 | : .19 | Morphine, see Morphine, Ethyl | ... | : .70 | Puric, sticks.....ton | 30.00 | : 32.00 |
| Dionin, see Morphine, Ethyl | | | Ethylene Bromide, 600 lb drs...D | ... | : .75 | Chips.....D | .04 | : .05 |
| Diethylglycidamide, 275 lb. | | | Chlorhydrin, anhyd, 50 gal. drs. D | .25 | : .30 | 6. SALT, partie 350 lb bbls. basis | .50 | : .52 |
| bbls., wks.....D | 1.10 | : 1.13 | 40% Solution, 50 gal. bbls...D | .20 | : .25 | 10%.....D | .20 | : .21 |
| Diphenylamine.....D | .48 | : .50 | Dichloride, 50 gal. drs...D | .50 | : .60 | Gall extract.....D | | |
| Diphenylguanidine, 5,000 lbs. | | | Glycol.....D | .10 | : .10% | | | |
| 100 lbs.....D | .95 | : .98 | Tri Chloride.....D | | | | | |



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Chemicals

| | | | | | |
|--|-------------------|--|-------------------|---|-------------------|
| Gambier, 25% liq. 450 lb bbls. | .14 : .15 | HEMATINE, Paste, 500 lb bbls. | .09 : .12 | Iodine Tinct. USP, 50 gal bbl. gal. | 4.85 : 4.70 |
| Common, 200 lb cases | .19 1/4 : .20 | Crystals, 400 lb bbls. | .12 : .20 | Carboys | 4.70 : 4.75 |
| Singapore cubes, 150 lb bags. | . . . : .23 | Hemlock, 25% 600 lb bbls. wks. | .03 1/4 : .03 1/2 | Second Hands | 4.50 : 4.65 |
| Gelatin, USP silver 1 lb. 100 lb cs. | .60 : .65 | Hemlock, bark | . . . : .30.00 | Iodoform, powd., 10 lb bot. | . . . : 6.00 |
| Gold Label, 100 cases. | . . . : 1.00 | Hexachlorethane Drums wks | . . . : .45 | Crystals, 10 lb bot. | . . . : 6.05 |
| Technical, 100 lb cs. | .45 : .50 | Hexalene, 50 gal drs., wks. | . . . : 4.75 | Iridium, metal 10 oz. lots. | . . . : 260.00 |
| Pure Food, 50 lb bbls. | .55 : .60 | Hexamethylenetetramine, USP | | Iron, metal by hydrogen 1 lb bot lb | . . . : .75 |
| Sheets | .53 : .55 | 100 lb drums. | .60 : .63 | | |
| GLAUBER'S SALT, tech. 200 lb bags | | Imported | . . . : .63 | IRON & AMM. CITRATE, USP 50 lb | |
| c/l wks. | 1.10 : 1.20 | Rubber Makers, Impalp. Pd. | | can | . . . : .80 |
| 1/2 wks. | 1.35 : 1.45 | dra. | .82 1/2 : .85 | Green scales, 500 lbs. | . . . : .69 |
| 350 lb bbls., c/l wks. | 1.25 : 1.35 | Homotropine Hydrobrom. USP 1 ca. | | Bromide | 1.10 : 1.22 |
| Bbls. 1/2 wks. | 1.50 : 1.60 | vials | . . . : 14.50 | Cacodylate, 100 lb bot. | 7.50 : 7.60 |
| Imported, bags, NY | .85 : .90 | Five ozs., 1 oz vials. | . . . : 13.50 | Citrate, USP VIII 25 lb cans. | .94 : 1.01 |
| USP, 300 lb bbls. Imp. sp. 100 lb | . . . : 1.25 | Hydrastine Alk., USP, 1 oz vial os | . . . : 17.07 | Chloride, see Ferric or Ferrous | |
| USP, 300 lb bbls. dom. sp. 100 lb | . . . : 1.75 | Hydchlide, USP, 1 oz vial | . . . : 17.07 | Hypophosphite, 5 lb cans. | 1.55 : 1.60 |
| USP, 300 lb bbls. c/l wks. 100 lb | . . . : 1.40 | Sulfate, 1 oz vial. | . . . : 20.07 | Syrup USP 5 lb, bot. | .85 : .86 |
| Calcined, see Sodium Sulfate | | Hydrastine Hydchlide, USP 16 gr. | | Iodide, 1 lb bot | . . . : 4.25 |
| Glucose, (Grape Sugar) dry, 100 | | vials | . . . : 14.57 | Syrup, USP, 5 lb bot. | .35 : .36 |
| 70° bags, c/l NY | 3.69 : 4.04 | Hydrazobenzene 100 lb kegs. | . . . : . . . | Nitrate, kegs | .09 : .10 |
| Tanners' Special, 100 lb bags 100 lb | . . . : 3.69 | HYDROGEN PEROXIDE, 25 vol. 400 lb | | Com'l, bbls | 2.50 : 3.25 |
| GLUE, pure white, bbls. | .22 : .26 | bbls. | .07 : .07 1/2 | Oxalate scales, 25 lb cans. | .97 : 1.00 |
| Medium white, bbls. | .30 : .34 | 100 vol. 140 lb clys | .34 : .37 | Oxide, red, Spanish | .02 1/4 : .03 1/4 |
| French, bbls. | .18 : .25 | USP Soln. 375 lb bbls. | .04 : .05 | English | .10 : .12 |
| High Grade, bbls. | .35 : .40 | 100 vol 145 clys | . . . : .46 | Perechloride, see Ferric Chloride | |
| Bone, regular, bbls. | .10 : .12 | USP bot. 4 oz. cases. | 7.75 : 8.00 | & Ammon. Oxalate, 25 lb bxs | .37 : .40 |
| Fish, bbls. | 1.50 : 1.75 | Bot. 8 oz. cases. | 11.10 : 12.00 | & Potassium Oxalate, 25 lb bxs. | .41 : .44 |
| Hide bbls | .14 : .24 | Bot. 16 oz. cases. | 18.25 : 19.00 | & Sodium Oxalate, 24 lb bxs. | .32 : .35 |
| GLYCERIN, C, F, 550 lb drms | .19 : .19 1/2 | Hydroquinone, 100 lb kegs | 1.40 : 1.50 | Phosphate, USP, 50 lb | . . . : .69 |
| Cans, 50 lb | .20 : .25 | Hyoscine Hydrobrom, USP 1 oz. | | Pyrophosphate, USP, 50 lb | . . . : .74 |
| Dynamite, 100 lb dr | .18 1/2 : .19 | vial | . . . : 13.57 | JALAP RESIN, lump, 5 lb tins. | . . . : 4.00 |
| Saponification tanks | .13 1/2 : .14 | Five oz., 1 oz vial. | .13.07 : 13.57 | Powd, tins | . . . : 4.65 |
| Soap, Lye tanks | .12 1/2 : .12 1/2 | Hyocyanine Alk Cryst, 1 oz vial os | . . . : 25.07 | KIESELGUHR, 95 lb bags NY. | 60.00 : 70.00 |
| Gua Powder, see chrysarodin | | Alkaloid, Amorphous, 1 oz. vial os | . . . : 75.07 | LANOLIN, see Adeps Lanæ | |
| Graphite, crude, 220 lb bags. | 15.00 : 35.00 | Hydrobromide, USP, 1 oz. vial os | . . . : 35.07 | Larch, 25%, 600 lb bbls wks | .03 1/4 : .04 |
| Flake, 500 lb bbls. | .05 : .09 | Sulfate, 1 oz vial. | . . . : 25.07 | Powd., 100 lb bags, wks | .08 : .09 |
| Ground, imp. bbls. | .04 : .05 | Hypernic, 51°, 600 lb bbls. | .12 : .15 | LEAD, metal c/l NY | .09 1/2 : .10 |
| Guaiacol Liquid, USP, 25 lb cans | 1.25 : 2.00 | Hypernic, chips | .06 1/4 : .07 | Acetate, white crystals, 500 lb | |
| Crystals, | 4.00 : 4.25 | IODINE, crude, 200 lb kegs | 4.21 : 4.23 | bbls, wks. | .14 1/4 : .15 |
| Emmenate, 1 lb bot. | . . . : 13.00 | Iodides, see Potass. Iodide, etc. | | 100 to 250 lb kegs, wks. | . . . : .15 1/2 |
| Carbonate, 5 lb boxes | 2.50 : 2.75 | Indigo, Madras, bbls. | 1.23 : 1.30 | White, broken, bbls., wks. 100 lb | 14.25 : 14.75 |
| Second Hands | 2.15 : 2.35 | 20% paste drums | .14 : .15 | White, gran bbls. wks. 100 lb | 15.00 : 15.50 |
| HAARLEM OIL, Dom. 6 grs | 3.00 : 3.25 | IODINE, crude, 200 lb kegs | . . . : 4.30 | White, powd. bbls wks 100 lb | . . . : 15.25 |
| Imported, 5 gr. cases | 3.60 : 3.65 | Reublimed, 10 lb jars | 4.05 : 4.70 | Brown, broken bbls wks | .13 1/4 : .14 |
| Halosone, 5 lb bot. | 3.75 : 3.85 | | | | |

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| LEAD ACETATE (Cont.) | | | LITHOPONE (Continued) | | | MANGANESE DIOXIDE (Cont.) | | |
|---|------|------|--|-------|-------|--|-------|-------|
| USP, 100 lb bags | 19 | .19% | Imported, 400 lb bbls | .05% | .06 | Hydrated, precip. 100 lb bags | .15 | .33 |
| Arseate, 100 lb bags | .13 | .14 | Lithia Cakes | .90 | 1.00 | Glycerophosphate, 5 lb tins | 2.90 | 3.00 |
| Bbls. c/l wts. | .12% | .13 | Second hands | .08% | .08% | Hypophos USP VIII 5 lb vials | 1.85 | 1.88 |
| Bbls. 1c/l wts. | .13 | .13% | Logwood, 51°, 600 lb bbls | .07 | .08 | Iodide, 1 lb bot | 6.40 | 6.65 |
| Paste, 100 & 500 lb bbls. | .08 | .09 | Lower grades | .12 | .15 | Ore. bulk. NY | .43 | .44 |
| Iodide, USP, VIII 5 lb bot. | 3.30 | 3.40 | Solid, 50 lb boxes | 23.00 | 27.00 | Sulfate, 600 lb casks, NY | .07 | .07% |
| Nitrate, 500 lb bbls. wts. | .12 | .13 | Chips, 150 lb bags | .03 | .03% | Mangrove, 55% 400 lb bbls | .04% | .05 |
| Oxide, Litharge, 500 lb bbls | .11% | .11% | Luminal, see Phenylethylmalonimide | .37 | .35 | Mangrove bark, African | nom. | nom. |
| 100 kgs, wts. | .14 | .15% | Madder, Dutch | 15.00 | 15.00 | Shipment | 10.00 | 12.00 |
| Oxide, red, 500 lb bbls, wts | .12% | .13 | Calcined, 500 lb bbls | 48.00 | 48.00 | See also Calcium Carbonate | | |
| 100 lb kgs, wts. | .25 | .30 | Magnesium, mil. sticks 100 lb c. f. e. h. | .35 | .35 | Menthyl, USP, 60 lb cases | 11.25 | 11.25 |
| White, basic carb. 500 lb bbls. | .10% | .10% | Bromate | 1.50 | 1.50 | Low case, 5 lb tins | 8.00 | 8.00 |
| 100 lb kgs wts. | .14% | .15% | Carb. tech. 70 lb bags NY | .08% | .07 | Synthetic | 82.00 | 82.50 |
| White sulfate 500 lb bbls. wts. | .10 | .10 | 75 lb bbls NY | .08 | .08% | MERCURY, metal 75 lb flasks flask | 1.20 | 1.20 |
| Licorice Ext. Mass cases | .21 | .22 | USP, 100 lb bbls | .09% | .10 | Low Flasks, 5 lb jars | 1.20 | 1.20 |
| Compound powder, bbls. | .11 | .12 | USP, blocks 100 lb c. 1, 2, 4 | .17 | .19 | Bichloride, cryst. 25 lb bms | 1.10 | 1.10 |
| Powdered | .35 | .36 | Chloride, fused 575 lb dms. c/l | 24.00 | 24.00 | Gran. powd. 300 lb bags | 1.08 | 1.08 |
| Sticks, 1 c. 100 lb cases | .30 | .35 | Flaked, 350 lb dms. wts c/Lton | 30.00 | 30.00 | Blue Mass, 25 lb boxes | .71 | .71 |
| LIME (Main, see Calcium Salts) | | | Imp. fused 900 lb bbls NY ton | 30.00 | 30.00 | Powdered, 25 lb boxes | .73 | .73 |
| Ground Stone, bags | 4.50 | 4.50 | Fluomilicate, crystals 400 lb bbls. | .12 | .15 | Blue Glintment, USP, 25 lb cans | .94 | .94 |
| Live, Bulk | 2.50 | 2.50 | 30% soln. 500 lb bbls. wts. | .07 | .07% | USP, dilute 25 lb cans 30% | .71 | .71 |
| Live, 325 lb bbls. ton lots | 1.05 | 1.05 | Soln. bbls, c/l wts. | 3.20 | 3.25 | 33% Mercury | 1.37 | 1.37 |
| single bbl. wts. | 1.08 | 1.08 | Glycerophosphate, 5 lb tins | 1.05 | 1.05 | Citric Glintment, 25 lb jars | .84 | .84 |
| Hydrated, 167 lb bbl. ton lots, wts. | .85 | .85 | Hypophosphite, 5 lb cans | .42 | .42 | Iodide, green 25 lb jars | 4.10 | 4.10 |
| Single bbl. wts. | .91 | .91 | Oxide, USP light, 100 lb bbls. | .50 | .50 | Red, USP, 25 lb jars | 4.20 | 4.20 |
| Oyster Shell, 150 lb bbl sing. | .03% | .03% | USP, heavy, 250 lb bbls. | 2.40 | 2.40 | Yellow, USP, VIII 25 lb jars | 4.10 | 4.10 |
| Sulfur, dry 200 lb dms NY | .08 | .08 | Peroxide, 5 lb cans | .75 | .80 | Oxide, Yellow, USP, 25 lb bms. | 2.00 | 2.04 |
| Dra. c/l NY | .15 | .16 | Sulfate, 100 lb bags | .24 | .24 | Tech. | 1.43 | 1.43 |
| 33° Soln. 50 gal bbls N Y gal | 6.25 | 6.75 | Manganese Dioxide, 30%, 200 lb bbls | .25 | .25 | Red Precip. USP, 25 lb bms. | 1.53 | 1.53 |
| Litharge see lead oxide | 1.45 | 1.50 | 100 lb bags | .06 | .06% | Powder, USP, 25 lb bms. | 1.59 | 1.59 |
| Lithium Carb. USP, 100 lb kgs. | 1.80 | 1.90 | Chloride, 600 lb cask | 30.00 | 35.00 | White Precip. USP, 25 lb bms. | .71 | .71 |
| Bromide, 100 lb c. | 1.70 | 1.75 | Dioxide, 80-84% 900 lb bbls. | 35.00 | 35.00 | Meta-Nitroaniline | .73 | .77 |
| Citrate, USP, 100 lb bags | .540 | .540 | NY | 35.00 | 35.00 | Meta-Nitro-para-Toluidine, 300 lb bbls | 1.90 | 2.00 |
| Iodide 5 lb bot | .06% | .06% | 85-90%, 900 lb bbls. NY. ton | 35.00 | 35.00 | | | |
| Lithopone, 400 lb bbls, 1c/l wts. | .05% | .05% | | | | | | |
| Bbls. c/l wts. | .05% | .05% | | | | | | |
| Bags, c/l wts. | .05% | .05% | | | | | | |

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| bbls | .85 | .90 |
| Meta-Toluylenediamine, 300 lb | | |
| bbls | .73 | .77 |
| METHANOL (Wood Alcohol) | | |
| 95% tanks | .55 | |
| Drums, c/l | .57 | |
| Drums, lc/l | .62 | |
| 97% tanks | .57 | |
| Drums, c/l | .59 | |
| Drums, lc/l | .64 | |
| Pure, Acetate free, tins | .65 | |
| Drums, c/l | .67 | |
| Drums, lc/l | .70 | |
| Bbls. incl. 6c higher | | |
| U.S. denat. grd. tanks | .57 | |
| Drums c/l | .59 | |
| Drums lc/l | .64 | |
| Methyl Acetone, 100 gal. drums | .83 | .85 |
| Tanks, cars | .80 | |
| Chloride, 90 lb cyl. | .50 | .55 |
| Salicylate, USP, 50 lb cans | .43 | |
| 500 lb drums | .41 | |
| Methylene Blue, tech. 100 lb kgs | 1.30 | 1.50 |
| USP, medicinal 5 lb cans | 2.10 | 2.15 |
| Mitcher's Ketone, 225 lb bbls | 3.00 | 3.25 |
| Milk, powd. 150 lb bbls | .14 | .15 |
| Milk Sugar, see sugar of milk | | |
| Mineral Oil, see oil mineral | | |
| Mineral Rubber | 55.00 | 75.00 |
| Mining Salts Drums wks | | .33 |
| Monobromobenzene See Bromobenzene | | |
| Monacetine, See Acetone | | |
| Monochlorobenzene, see chlorobenzene | | |
| Monethylaniline, 900 lb drs | .70 | .80 |
| Monomethyl para-methoxy sulfate, | | |
| 100 lb drs | 3.95 | 4.20 |
| MORPHINE Sulfate, USP 5 oz. tins | | |
| 10 oz | | 7.35 |

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| MORPHINE (Cont.) | | |
| acetate, 5 oz. tins 10 oz. lots | 7.50 | |
| Hydrobromide, 5 oz. tins 10 oz. lots | 7.50 | |
| Hydride, 5 oz. tins 10 oz. lots | 7.50 | |
| Ethyl Hydride, 1/2 oz. vls 10 | 8.85 | |
| Small sizes 1/2 oz. vls 30c extra | | |
| 1/2 s 25c extra; single oz. vls, 7c extra, over price for 5 oz. tins, 35 oz. lots in 5 oz. tins, 10c or lower than above schedule. Less than 10 oz. lots 15c or higher than above schedule | | |
| Musk Ambrette, 1 lb cans | 10.50 | 11.75 |
| Myrobalans, 25%, liquid bbls | .04 1/2 | .04 1/2 |
| 50% solid, 50 lb boxes | .08 | .08 1/2 |
| Imported | | .06 1/2 |
| Myrobalans, bags J1 | 58.00 | 65.00 |
| R2 | | nom |
| J2 | 53.00 | 55.00 |
| NAPHTHA, See Solvent Naphtas | | |
| NAPHTHALENE, Flake. 175 lb bbls | | |
| wks | .05 | .06 1/2 |
| Bbls, c/l wks | .04 1/2 | .05 |
| Bbls, second hands NY | .04 1/2 | .04 1/2 |
| Balls, 250 lb bbls wks | .06 | .06 1/2 |
| Bbls, c/l wks | .05 1/2 | .06 |
| Bbls, second hands NY | .05 1/2 | .06 |
| Crushed, shipped, bgs. wks | | .06 |
| Crude, imp. bags | .01 1/2 | .02 |
| NICKEL | | |
| Ingot, 100 lb geks | | .34 |
| Chloride, bbls, kgs | .21 | .24 |
| Oxide, 100 lb kgs, NY | .88 | .40 |
| Salt, single 400 lb bbls, NY | .09 | .10 |
| Double, 400 lb bbls, NY | .10 | .11 |
| Sulfate, 450 lb bbls | .09 | .10 |
| Nickel Metal, electrolytic | 81.00 | 82.00 |
| Nicotine, Free 40% 8 lb tins | 1.40 | 1.88 |
| Sulfate, 10 lb tins, 40% | 1.10 | 1.85 |
| NITRATE SODA, spot, See Sodium Nitrate | | |
| Nitre Cake, bulk wks | 4.50 | 5.50 |
| 500 lb bbls | 13.00 | 14.00 |

| | | |
|--|---------|---------|
| Nitrobenzene, crude, 1000 lb drs | | |
| wks | .09 1/2 | .10 |
| Redistilled, 1000 lb drs wks | .10 | .11 |
| Nitrogenous Material | 3.60 | 3.65 |
| Nitronaphthalene, 550 lb bbls | .20 | .21 |
| Nitrotoluene, mixed 1000 lb drs | | |
| wks | .14 | .15 |
| Nutgalls, see Cross Drugs | | |
| Oak bark, whole | 20.00 | 23.00 |
| Ground | 45.00 | 50.00 |
| Oak, tanks, wks | | .03 1/2 |
| 23-25% liq. 600 lb bbls wks | .04 1/2 | .04 1/2 |
| Solid, powd | .07 1/2 | .08 |
| Ochre | | .03 1/2 |
| Oil Fuel, see Fuel Oil | | |
| Oil Mineral, wh, 50 gal bbls gal | .80 | 1.05 |
| Russian | 1.05 | 1.20 |
| Oil Mirbane, see nitrobenzene | | |
| Orion, see crude drugs | | |
| Orange Mineral, 1100 lb casks NY | | .14 1/2 |
| 700 lb bbls, NY | | .14 1/2 |
| Ortho-Aminophenol, 50 lb kgs | 2.15 | 2.25 |
| Ortho-Anisidine, 100 lb drs | 2.75 | 3.00 |
| Ortho-Dichlorobenzene, see Dichlorobenzene | | |
| Ortho-Nitrochlorobenzene, 1200 lb | | |
| dr. wks | .32 | .35 |
| Ortho-Nitrophenol, 350 lb | .90 | .95 |
| Ortho-Nitrotoluene, 1000 lb drs | | |
| wks | .20 | nom. |
| Ortho-Toluidine, 350 lb bbls | .25 | .27 |
| Orange, 51° liquid | .07 | .07 1/2 |
| Powd., 100 lb bags | .13 1/2 | .14 |
| Crystals | .16 | .17 |
| Oxgall, USP, 5 lb bot. | 1.75 | 2.50 |
| Purified 5 lb bot. | 2.00 | 2.50 |
| Crude, 5 lb bot. | 1.00 | 1.25 |
| PALLADIUM, metal 10 oz lots | 80.00 | 81.00 |
| Pancreatin, USP, 5 lb bot | 2.25 | 2.50 |
| Papain, 10 lb bot, USP, Powr. | 2.75 | 3.25 |
| Crude, 150 lb cases | 2.30 | 2.40 |
| Paraffin, ref'd 200 lb c. slabs | | |
| 123-127 Deg. M. P. | .08 1/2 | .08 1/2 |

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| PARAFFIN (Cont.) | | | PARIS GREEN (Cont.) | | | Phthalic Anhydride, 100 lb. bbls. | | |
| 125-132 Deg. M. F. | D | .07% : .07% | Packages, 5 and 2 lbs. | D | .23 : .34 | Phthalic Anhydride, 100 lb. bbls. | .18 | : .20 |
| 133-137 Deg. M. F. | D | .08 : .08% | Packages, 1 lb. 1/2 D. 1/4 D. | D | .25 : .26 | Phthalic Anhydride, 100 lb. bbls. | | |
| 138-140 Deg. M. F. | D | .08% : .09 | Paris White, see whitening, French | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Aminocetanilid, 100 lb. | | | Pepsin, USP, 5 lb. bot. 1:3000...D | 2.50 | : 2.75 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Aminocetanilid, 100 lb. kgs. | D | 1.00 : 1.05 | 1:6000 bottlesD | 5.00 | : 5.25 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Aminocetanilid, 100 lb. kgs. | D | 1.10 : 1.15 | 1:10,000 bottlesD | 8.35 | : 8.50 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Aminocetanilid, 100 lb. kgs. | D | 1.25 : 1.30 | Peptone, powd., 5 lb.D | 1.70 | : 1.80 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Dichlorobenzene, 150 lb. bbls. | | | PETROLATUM, green 300 lb bbls. D | .02 1/2 | : .03 | Phthalic Anhydride, 100 lb. bbls. | | |
| 25-50 lb kgsD | | .17 : .20 | Dark Amber, 300 lb bblsD | | .04 1/2 | Phthalic Anhydride, 100 lb. bbls. | | |
| Paraldehyde, USP, 100 gal. drs. gal | | .43 | Light Amber, 300 lb bblsD | | .04 1/2 | Phthalic Anhydride, 100 lb. bbls. | | |
| Tech.D | | .30 | cream White, USP 300 lb bbls. D | .07 | : .07 1/2 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Cymene, Refd., 110 gal drs. gal | | 2.25 : 2.50 | Snow White, USP, 300 lb bbls. D | | .13 | Phthalic Anhydride, 100 lb. bbls. | | |
| Paraformaldehyde, USP, 100 lb. cs D | | .42 1/2 : .45 | Lily White, USP, 300 lb bbls D | | .07% | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitroacetanilid, 300 lb | | | Phenol, see also acid carbolic | | | Phthalic Anhydride, 100 lb. bbls. | | |
| bblsD | | .50 : .55 | Makers, 950 lb drums, spot.D | .23 | : .24 | Phthalic Anhydride, 100 lb. bbls. | | |
| PARA-NITROANILINE, 300 lb bbls | | | Small drums, 240-100 lb.D | .24 | : .26 | Phthalic Anhydride, 100 lb. bbls. | | |
| wks tonD | | .55 : .58 1/2 | Open market drumsD | | .22 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitrochlorobenzene, 1200 lb. drs. | | | 240 lb. des drs wksD | | .23 | Phthalic Anhydride, 100 lb. bbls. | | |
| wksD | | .20 : .23 | Natural, 240 lb. des drs. wks.D | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitro-ortho-Toluidine, 300 lb | | | Phenolphthalein, USP, 100 lb. drs. D | 1.30 | : 1.40 | Phthalic Anhydride, 100 lb. bbls. | | |
| bblsD | | 2.75 : 2.85 | 5 lb. cans, 100 lb. tonsD | 1.40 | : 1.50 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitrophenol, 185 lb bbls.D | | .50 : .55 | Phenyl-Alpha-Naphthylamine 100 lb | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitrodimethylamine, 120 lb | | | kgsD | 1.23 | : 1.29 | Phthalic Anhydride, 100 lb. bbls. | | |
| bblsD | | .92 : .94 | Phenylethylmalonylurea, ca. plus. cs | | 5.50 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Nitrofluorene 350 lb bblsD | | .35 : .37 | Phosgene, 100 lb cylindersD | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-oxy Benzaldehyde, 100 lb | | | Phosphate Acid, 16% Bulk wks. unit | .60 | : .65 | Phthalic Anhydride, 100 lb. bbls. | | |
| kgsD | | 1.70 | Phosphate Rock, f.o.b. mines | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Phenetidin, 500 lb drsD | | 1.55 : 1.80 | Florida Pebble, 65%ton | 2.40 | : 2.50 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Phenylenediamine, 350 lb | | | Florida Pebble, 70%ton | 2.75 | : 2.85 | Phthalic Anhydride, 100 lb. bbls. | | |
| bblsD | | 1.30 : 1.35 | Florida, 72%ton | 3.25 | : 3.40 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Toluenesulfonamide, 175 lb | | | Florida Pebble, 75-74%ton | 4.00 | : 4.25 | Phthalic Anhydride, 100 lb. bbls. | | |
| bblsD | | .40 : .41 | Tennessee, 72%ton | | 5.50 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Toluenesulfonamide, 410 lb | | | Phosphorus Oxide, 175 lb cyl. D | .35 | : .40 | Phthalic Anhydride, 100 lb. bbls. | | |
| bbls. wks.D | | .18 : .30 | Phosphorus, red 110 lb csD | .70 | : .73 | Phthalic Anhydride, 100 lb. bbls. | | |
| Para-Toluidine 350 lb bbls wks.D | | .65 : .69 | Yellow, 110 lb cs wksD | | .32 | Phthalic Anhydride, 100 lb. bbls. | | |
| PARIS GREEN | | | Imported, 110 lb cs wksD | | .32 | Phthalic Anhydride, 100 lb. bbls. | | |
| Arsenic Basis, 500 lb kgs.D | | .19 : .20 | Phosphorus Trichloride, 175 lb cyl. | | | Phthalic Anhydride, 100 lb. bbls. | | |
| Kgs, 100 lb.D | | .21 : .23 | wks.D | | .45 | Phthalic Anhydride, 100 lb. bbls. | | |
| Kits, 56, 28, 14 lb.D | | .22 : .23 | | | | Phthalic Anhydride, 100 lb. bbls. | | |

PHTHALIC ANHYDRIDE

The long needle crystals of pure Monsanto Phthalic Anhydride have been first choice of America's most critical buyers since 1916 when hostilities cut off foreign supply. Manufactured primarily for our own consumption, it is required to meet rigid self-imposed standards, materially above ordinary trade requirements.

May we submit samples and quotations for your requirements?

Monsanto Chemical Works

SAINT LOUIS, USA

NEW YORK

CHICAGO

Fourteen other Monsanto Intermediates are available for prompt shipment or on contract over an extended period.

Chemicals

POTASSIUM (Cont.)

| | | |
|-----------------------------------|------|------|
| Bisulfate, C.P., 5 lb cans....D | ... | .30 |
| 100 lb kegs.....D | ... | .22 |
| Bromate, 100 lb cs.....D | ... | .85 |
| BROMIDE, USP, cryst., 450 lb | | |
| bbls.....D | .48 | .49 |
| Granular, 300 lb bbls....D | .48 | .49 |
| Cases, 100 lb.....D | ... | .50 |
| Imported, USP, 220 lb csD | .43 | .44 |
| Shipments.....D | ... | .43½ |
| CARBONATE, 80-85% calc. | | |
| 800 lb cks.....D | .05½ | .06 |
| 80-85%, hydrated, 800 lb | | |
| cks.....D | .05½ | .06 |
| 90-95% calc. casks.....D | .06 | .06½ |
| 94-98% calc. casks.....D | .06½ | .06¾ |
| 99% calc. casks.....D | ... | .07½ |
| USP, 100 lb kegs.....D | .10½ | .11 |
| 99% C.P., casks.....D | ... | .12½ |
| Chlorate, crys., 112 lb kgs. c/l | | |
| wks.....D | .08½ | .09 |
| Imp. 112 lb kegs NY.....D | .08½ | .08½ |
| Powd., 112 lb kegs, wks....D | .08½ | .09 |
| Imp. kegs NY.....D | .08½ | .08½ |
| Gran. Imp. 112 lb kgs NY..D | .10½ | .11 |
| Pyrotechnic, line powd. NY..D | ... | .07 |
| USP, fine crys. 110 lb kegs | | |
| NY.....D | .14 | .15 |
| Chloride, crys bbls.....D | .05½ | .05½ |
| Citrate, USP, 50 lb.....D | ... | .60 |
| Cyanide, 110 lb cases.....D | .55 | .58 |
| Glycerophosphate, 75% Soln. 25 lb | | |
| tins.....D | 1.35 | 1.50 |
| Gummed Sulfonate, 5 lb cans | | |
| 10 lb.....D | 2.00 | 2.35 |
| Hypophosphite, 10 lb cans....D | .80 | .85 |
| Iodide, USP, 100 lb cases....D | 3.45 | 3.50 |
| Lactophosphate, 4 oz. bot cs | ... | .90 |
| Metalbisulfite, 300 lb bbls....D | .10 | .11 |
| Imp., 550 lb bbls....D | .09 | .10 |

POTASSIUM (Cont.)

| | | |
|--|-------|--------|
| Muriate, 80%, 200 lb bags, NY | | |
| K ₂ O unit.....D | ... | .63 |
| Nitrate, see Saltpetre | | |
| Oxalate, neutral 100 lb kegs..D | ... | .25 |
| Perechlorate, 112 lb kgs. Mc-Apr.D | .11 | .12 |
| PERMANGAN. USP, crys. 500 lb | | |
| & 100 lb drs, wks....D | .15 | .16 |
| Imp. 113 lb drs.....D | .14½ | .15½ |
| Prussiate, red, 500 lb casks..D | .36 | .37 |
| Prussiate, yellow, 500 lb casksD | .18 | .18½ |
| Sulfate, 25 lb cans.....D | .60 | .65 |
| Sulfate, 200 lb bags, NY K ₂ O unit | ... | .85 |
| USP, VIII 100 lb kegs....D | ... | .15 |
| Sulfocyanide, CP 25 lb jars D | ... | .50 |
| Tartrate, neutral, 100 lb kegs D | ... | .51 |
| Titanium Oxalate, 200 lb bbls D | ... | .21 |
| Pumice Stone, lump, 250 lb bbls.D | .04½ | .06 |
| Lump, bags.....D | .04 | .05 |
| Powdered, 350 lb bbls.....D | .02½ | .03 |
| Pyridine, 50 gal drums.....gal | 4.50 | 4.60 |
| Quebracho Bark.....ton | ... | 120.00 |
| QUEBRACHO, 35% liquid tin..D | .03 | .03½ |
| 450 lb bbls.....D | .03½ | .04 |
| 35% bleaching, 450 lb bbls..D | .04½ | .05½ |
| Solid 65%, 100 lb bales.....D | .04½ | .05 |
| Clarified, bales.....D | ... | .05 |
| Quercitron, 51½, 450 lb bbls....D | .06½ | .08 |
| Solid, 100 lb boxes.....D | .10 | .13 |
| Quercitron bark, rough.....ton | ... | 14.00 |
| Ground.....ton | 34.00 | 35.00 |
| QUICKSILVER, see Mercury | | |
| Quinidine Alk., 100 oz. tins....oz | .70 | .75 |
| Sulfate, 100 oz. tins.....oz | ... | .50 |
| Quinidine, see Chinoidin | | |
| QUININE SULFATE, USP. | | |
| American 100oz tins.....D | ... | .50 |
| 1 oz. tins, 100oz lots.....oz | ... | .57 |
| Dutch 100 oz. tins.....oz | ... | .50 |

QUININE SULFATE, USP.

| | | |
|-----------------------------------|-----|------|
| Java, 100 oz. tins.....oz | ... | .50 |
| Japanese, 100 oz. tins.....oz | ... | .50 |
| resale.....oz | ... | .47½ |
| Acetate.....oz | ... | .88 |
| Arsenate.....oz | ... | .88 |
| Benzoate.....oz | ... | .88 |
| Bisulfate, USP.....oz | ... | .45 |
| Citrate.....oz | ... | .62 |
| Dihydride, USP.....oz | ... | .66 |
| Dibromide.....oz | ... | .66 |
| Dicarbonate, 19 oz. tins.....oz | ... | 2.50 |
| Ethyl Carbonate, 16 oz tins....oz | ... | .70 |
| Ferrocyanide.....oz | ... | .88 |
| Formate.....oz | ... | .85 |
| Glycerophosphate.....oz | ... | .88 |
| Hydride.....oz | ... | .88 |
| Hydrobromide, USP.....oz | ... | .62 |
| Hydrochloride, USP.....oz | ... | .62 |
| Hydrochlorosulfate.....oz | ... | .66 |
| Hydride & Urea, USP.....oz | ... | .88 |
| Hypophosphite.....oz | ... | .88 |
| Lactate.....oz | ... | .78 |
| Phenolsulfonate.....oz | ... | .88 |
| Phosphate.....oz | ... | .74 |
| Salicylate, USP.....oz | ... | .63 |
| Tannate, USP.....oz | ... | .45 |
| Tartrate.....oz | ... | .88 |
| Valerate.....oz | ... | .89 |

Small Sizes: low vials or cans, 50oz. lots, 5c oz extra; 25oz. cans, 50oz. lots 2c oz extra; 25oz. cans, 50oz. lots, 2c oz extra; single 1oz. vials or cans, 5c extra. All minor quinine salts sold and quoted basis 100oz lots in 100oz cans. Sulfate and bisulfate sold basis 100oz. lots in 100 oz cans. Smaller orders or containers extra as above schedule.

Selden Brand 99.99+% Pure PHTHALIC ANHYDRIDE

PHENOLPHTHALEIN. The manufacture of Phenolphthalein from Selden Brand phthalic anhydride is a well established method which has proven its worth. Purity of raw materials results in low production costs.

THE SELDEN COMPANY

Pittsburgh, Pa., U.S.A.

Chemicals

| | | | |
|---|------|-------|---------|
| Quinine, 100 lb kegs | D | 1.75 | : 2.25 |
| N SALT, 250 bbls, wks | D | .45 | : .47 |
| Med Lead, see lead oxide | | | |
| Med Precipitate, see mercury | | | |
| Resnet, N.F., 5 lbs. (1:25,000) lb | D | 2.95 | : 3.50 |
| Resorcin, see resorcinol | | | |
| Resorcinol, tech., 100 lb kegs | D | 1.30 | : 1.35 |
| USP, 25 lb cans | D | 2.25 | : 2.35 |
| Rochelle Salt, USP, 225 lb bbls | D | .20 | : .20½ |
| Imp. USP, 300 lb bbls | D | .19 | : .19½ |
| Rosewater, triple, 5 gal. demis. gal | | .85 | : .90 |
| Rosins, (Sold in 600 lb bbls, gross for net.) | | | |
| B | D | .280 | : 13.15 |
| D | D | .280 | : 13.15 |
| E | D | .280 | : 13.15 |
| F | D | .280 | : 13.15 |
| G | D | .280 | : 13.15 |
| H | D | .280 | : 13.15 |
| I | D | .280 | : 13.15 |
| K | D | .280 | : 13.15 |
| M | D | .280 | : 13.15 |
| N | D | .280 | : 13.20 |
| WG | D | .280 | : 14.20 |
| WW | D | .280 | : 15.30 |
| (Sold in 600 lb bbls net, quotations based on a unit of 280 lb) | | | |
| Roan Oil first run, 500 gal | bbls | .56 | : .58 |
| Second run, bbl | D | .59 | : .61 |
| Rotten Stone lump imp bbls | D | .07 | : .08 |
| Lump selected, bbls | D | .09 | : .12 |
| Powdered bbls | D | .02 | : .05 |
| Domestic, bags mines | | 24.00 | : 30.00 |
| SACCHARIN, USP, 10 lb cans, 25 lb | D | 1.75 | : 1.85 |
| Soluble, USP, 10 lb cans, 25 lb | D | 1.75 | : 1.85 |
| Sago, Flour, 150 lb bags | D | | : .05 |
| Salt Ammoniac, see Ammon. Chloride | | | |
| Salt Soda, see Sodium Carbonate | | | |
| Sulfin, USP, 1 lb cartons, 25 lb | D | 5.00 | : 5.25 |
| Sulfol, USP, 100 lb drums | D | .80 | : .90 |
| Salt, Common, see sodium chloride | | | |
| Salt Cake, c/l f, c, b, wks | ton | 17.00 | : 20.00 |

SALTPETRE, Double Refined

| | | | |
|--|--------|--------|----------|
| Granular, 400-500 lb bbls | | | |
| c/l wks | D | .061½ | : .06½ |
| Less c/l wks, bbls | D | .06½ | : .06½ |
| Large Crystals, 350-400 lb bbls | | | |
| c/l wks | D | .07% | : .07% |
| Triple refined, Granular, 350 lb | | | |
| bbls 1/c/l | D | .06½ | : .067½ |
| Powdered, bbls c/l wks | D | .07½ | : .07½ |
| Imported, 500 lb bbls, NY | D | .06½ | : .06½ |
| Santonin, USP, 1 lb bot. | D | 155.00 | : 160.00 |
| Powd. 1 lb bot. | D | 158.00 | : 162.00 |
| Saponin, refined, 5 lb tins | D | 1.25 | : 1.25 |
| Satur White 500 lb bbls | D | .01½ | : .01½ |
| Schaeffer's Salt, 250 lb bbls, wks | D | .60 | : .65 |
| Seopolamine, see hyocine | | | |
| Seidlitz Mixture, 225 lb bbls | D | .16½ | : .16½ |
| SILICA | | | |
| Crude, bulk, mines | ton | 6.00 | : 7.00 |
| Refined, floated, bags | ton | 18.00 | : 30.00 |
| Air floated, bags | ton | 32.00 | : 50.00 |
| Extra, floated, bags | ton | 55.00 | : 65.00 |
| Celluloid, 100 lb bot. | oz | | : 2.80 |
| SILVER metal, American oz. | oz | | : .71½ |
| Silver Iodine, 16 oz bot. | oz | | : .69 |
| Nitrate, 16 oz bot. | oz | | : .48½ |
| Nucleinate, 1 oz bot. | oz | .39 | : .45 |
| Proteinates, 1 oz bot. | oz | .39 | : .45 |
| Bulk, | oz | 4.90 | : 4.90 |
| Soap, Castile 40 lb bxs | lb | .20 | : .26 |
| Powd. USP, 250 lb bbls | lb | .28 | : .30 |
| Green, USP, 150 lb kegs | lb | .07½ | : .08½ |
| Soapstone, see Talc. crude | | | |
| SODA ASH, 58% light | | | |
| 1-4 bags, deliv'd NY | 100 lb | 2.19 | : 2.19 |
| 5 & Up bags deliv'd NY | 100 lb | 2.04 | : 2.04 |
| 1-4 bbls, deliv'd NY | 100 lb | 2.44 | : 2.44 |
| 5 & Up bbls deliv'd NY | 100 lb | 2.29 | : 2.29 |
| Contract, Basis 58% bags c/l | | | |
| wks | 100 lb | 1.88 | : 1.88 |
| Prompt and spot, Basis 58% bags | | | |
| c/l wks | 100 lb | 1.48 | : 1.48 |
| Contract, Basis 58% dense bags | | | |

SODA ASH (Cont.)

| | | | |
|---|--------|------|--------|
| c/l wks, | 100 lb | 1.45 | : 1.45 |
| Pmpt and spot, Basis 58% bags | | | |
| c/l wks | 100 lb | 1.50 | : 1.50 |
| SODA, CAUSTIC, 76% solid | | | |
| 1-4 drums deliv'd NY | 100 lb | 3.91 | : 3.91 |
| 5 & Up drums deliv'd NY | 100 lb | 3.76 | : 3.76 |
| Ground & Flake, 76% | | | |
| 1-4 drums, deliv'd NY | 100 lb | 4.31 | : 4.31 |
| 5 & up drs deliv'd NY | 110 lb | 4.16 | : 4.16 |
| 1-4 bbls deliv'd | 100 lb | 4.56 | : 4.56 |
| 5 & up bbls deliv'd | 100 lb | 4.41 | : 4.41 |
| Contract basis 76% c/l wks | 100 lb | 3.10 | : 3.10 |
| Pmpt. and spot, Basis 76% | | | |
| c/l wks | 100 lb | 3.20 | : 3.20 |
| Contract 74% low grade c/l | 100 lb | 3.02 | : 3.02 |
| wks, flat | 100 lb | | |
| Ground & flake, 76% pmpt and | | | |
| spot, wks, c/l drs | 100 lb | 3.80 | : 3.80 |
| Contract 76% drums c/l wks | | | |
| flat | 100 lb | 3.50 | : 3.50 |
| USP, stick, 10 lb cans | lb | .19 | : .21 |
| Pure, stick, by alcohol | lb | .25 | : .27 |
| Soda Sal, see Sodium Carbonate | | | |
| Sodium Metal, 12½ lb bricks | lb | .27 | : .27 |
| SODIUM ACETATE, crys. 450 lb bbls | | | |
| wks | lb | .05 | : .05½ |
| Aluminate 500 lb bbls wks | lb | .07½ | : .08 |
| Aluminum Sulfate, see alur soda | | | |
| Arsenite, 4 lb mat, wks drums gal | 1.00 | .50 | : .60 |
| Drums, 8 lb material, wks gal | 1.00 | .50 | : .55 |
| Benzoate, USP, 100 lb bbls | lb | .50 | : .55 |
| Bicarbonate, 400 lb bbls, NY | 100 lb | 2.25 | : 2.25 |
| Bbls c/l wks | 100 lb | 2.00 | : 2.00 |
| 112 lb kegs, wks | lb | 2.25 | : 2.50 |
| 112 lb kegs NY | 100 lb | 2.50 | : 2.50 |
| Bichromate, 600 lb cans wks | lb | .06½ | : .07 |
| Casks c/l NY | lb | .08½ | : .07 |
| Casks, NY | lb | .06½ | : .06½ |
| Bisulfite, dry powder, 500 lb | lb | .04 | : .04½ |
| bbls, wks | lb | .04 | : .04½ |
| Imported | lb | .03½ | : .03½ |

Soda Ash

Bicarbonate of Soda

Caustic Soda

Modified Soda

Special Alkali



QUALITY

The additional value in
Diamond Alkalies that main-
tains them as the Standard.



DIAMOND ALKALI COMPANY
PITTSBURGH, PA.



There's a "gold standard" of value in every industry. In Alkali, of course, it's SOLVAY!

Solvay 58% Soda Ash
Dense—Light
Solvay Fluf (Extra Light Soda Ash)
Solvay 76% Caustic Soda
Solid—Flake—Ground
Solvay Super Alkali
Solvay Snowflake Crystals
(Trademark Registered)
Solvay Laundry Soda
Solvay Cleansing Soda
Solvay Tanners Alkali
Solvay Tanners Soda
Solvay Liquid Caustic Soda
Solvay Calcium Chloride 73%—75%



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Chemicals

SODIUM—(Continued)

| | | |
|------------------------------------|-------|---------|
| BROMIDE, USP, 450 lb bbls.. | .45 | : .49 |
| Cases, 50 lb | .48 | : .49 |
| Imp. USP, 220 lb cases..... | .46 | : .48 |
| Bromate, 100 lb ca. | ... | : 1.15 |
| Caecodylate, USP, 35 lb .. | ... | : 1.15 |
| 5 lb bbl | 5.90 | : 6.25 |
| Carbonate Bal Soda 350 lb. bbls. | ... | : 1.30 |
| 1c/l NY | 1.30 | : 1.35 |
| Works c/l | 1.10 | : 1.30 |
| Monohydrate, 400 lb bbl .. | ... | : 2.40 |
| 1c/l NY | ... | : 2.40 |
| Pure photographic 100 lb .. | .08 | : .08 |
| bag | .06% | : .06% |
| Chlorate, 112 lb kegs, wks .. | .06% | : .06% |
| Imported, 112 lb kegs | ... | : .06% |
| Chloride, tech. | 12.00 | : 13.00 |
| C. F., 300 lb bbls. | .05 | : .06 |
| Chromate 500 lb bbl..... | ... | : .08 |
| Citrate, USP, 1X, 50 lb bbls | ... | : .54 |
| kegs | .45 | : .47 |
| USP, VIII, 50 lb bbls kegs | ... | : .20 |
| Cyanide 98-98%, 100 & 250 lb | ... | : .17% |
| drums | .18 | : .18% |
| 73-76% 100 lb cases wks .. | .15 | : .16 |
| 125-128% 200 lb cs | .14 | : .15 |
| 120-125% 200 lb cs | .09 | : .09% |
| 118-120% 200 lb cs | .08% | : .09 |
| Fluoride, 300 lb bbls., wks... | 1.40 | : 1.55 |
| Imp. 350 lb bbls | 1.45 | : 1.60 |
| Glycerophosphate USP, cryst. 25 lb | 1.05 | : 1.20 |
| cases | ... | : .05 |
| Powder, 25 lb tins | ... | : .04 |
| Solution, USP, 25 lb tins.. | .30 | : .35 |
| Hydroxide, see Soda Caustic .. | ... | : .70 |
| Hypochlorite Soln, 100 lb cysd | ... | : .25 |
| 14% soln, 50 lb cysd | ... | : .24 |
| Hydroxide, 200 lb bbls.f.o.b.wks | ... | : .35 |
| For Stripping, 50 lb cases.. | ... | : .70 |
| Hypophosphite, USP, 25 lb cases | ... | : .75 |

SODIUM—(Continued)

| | | |
|------------------------------------|------|--------|
| HYPOSULFITE, tech. pea crys. | 2.65 | : 3.05 |
| 375 lb bbls., wks. 100 lb .. | ... | : 2.50 |
| Bbls., c/l wks. | 2.80 | : 2.90 |
| 100 lb kegs, wks. | 2.75 | : 3.00 |
| Imp | 2.40 | : 2.65 |
| Regular crys., bbls. wks. 100 lb | 2.40 | : 2.50 |
| Bbls., c/l wks. | 3.00 | : 3.10 |
| Kegs, wks. | 2.35 | : 2.45 |
| Imp | 4.25 | : 4.30 |
| Iodide, USP, 25 lb jars..... | .70 | : .75 |
| Metanilate, 150 lb bbls..... | .55 | : .57 |
| Naphthionate, 300 lb bbls .. | ... | : 2.50 |
| Nitrate crude, 95% 300 lb bbls | 2.50 | : 2.53 |
| c/l NY | ... | : .03% |
| Sept-Oct Shipment NY 100 lb | ... | : .03% |
| Double Refined 400 lb bbls | ... | : .03% |
| gran. c/l wks. | ... | : .03% |
| Powdered bbls c/l wks | .09 | : .09% |
| Nitrite, 500 lb bbls., spot makers | ... | : .25 |
| Imp. 650 lb cases | .20 | : .23 |
| Ortho-Chloro-Toluene Sulfonate, | .21 | : .22 |
| 175 lb bbls., wks. | .21 | : .22 |
| Oxalate, neutral, 100 lb kegs.. | .21 | : .22 |
| Perborate, 275 lb bbls. | ... | : .27 |
| Imp. 225 lb drs. | 3.40 | : 3.75 |
| Peroxide, 200 lb cases | .07 | : .07% |
| Phosphate, di-sodium, tech. 550 lb | .04% | : .05% |
| Bbls. | .07% | : .08 |
| USP, gran, 275 bbls..... | .30 | : .31 |
| Imp. gran 400 lb bbls..... | .03% | : .04% |
| USP, Crystal, 275 bbls..... | ... | : .60 |
| Monosodium, 100 lb kgs..... | .08 | : .09 |
| Picramate, 100 lb kegs | .10% | : .10% |
| Para-Toluene Sulfonate 175 lb | .10% | : .10% |
| bbls. | .24 | : .26 |
| PRUSSIAN, yellow, 350 lb bbls. | ... | : .40 |
| wks. | .39 | : .40 |
| Imp 50 lb cis | ... | : .40 |
| Pyrophosphate, 100 lb kegs .. | ... | : .40 |
| Salicylate, 100 lb kegs | ... | : .40 |
| Second hands, USP, kegs | ... | : .40 |

SODIUM—(Continued)

| | | |
|--------------------------------------|------|--------|
| Silicate, 40° turbid, tanks | ... | : .75 |
| wks. | ... | : 1.10 |
| 55 gal. drums, wks. 100 lb .. | ... | : 1.10 |
| 40° clear, tanks, wks. 100 lb .. | 1.30 | : 1.45 |
| 55 gal. drs., wks. | ... | : .80 |
| 42° turbid, tks., wks. 100 lb .. | .90 | : 1.15 |
| 55 gal. drs., wks. | ... | : 1.25 |
| 42° clear, tanks, wks. 100 lb .. | 1.35 | : 1.75 |
| 55 gal. drs., wks. | .04% | : .04% |
| Silicofluoride, 450 lb bbls. NY. D | .40 | : .41 |
| Stannate, 100 drums | ... | : .04 |
| Sulfate, see Glauber's Salt .. | .03% | : .03% |
| Sulfate, Anhydrous, 550 lb bbls. | ... | : .04% |
| c/l wks. | ... | : .04 |
| Imp. 250 lb bbls | ... | : .03% |
| Sulfide, 60% solid, 650 lb drs. | ... | : .04% |
| 1c/l wks. | ... | : .04 |
| Dr. c/l wks. | ... | : .03% |
| Imp. 700 lb drs NY | ... | : .04% |
| 60% broken, 650 lb drs. wks. D | ... | : .04% |
| Dr. c/l wks. | ... | : .04% |
| 30% crys. 440 lb bbls. wks. D | .02% | : .02% |
| Imp. 400 lb bbls | ... | : .02% |
| Sulfite, crys. 400 lb bbls. wks. D | .03% | : .03% |
| Anhydrous, 400 lb bbls..... | .09% | : .10 |
| Sulfocarbonate, USP, 100 lb kegs | .32 | : .34 |
| Sulfocyanide, 400 lb bbls | .30 | : .35 |
| Tungstate, crys. 100 lb kegs.. | .70 | : .75 |
| SOLVENT NAPHTHA, 110 gal. | ... | : .30 |
| dr. wks. | ... | : .35 |
| 8,000 gal. tank cases, wks. gal | ... | : .50 |
| Spartan Sulfate, USP, 25ca. bulk, ca | ... | : .07 |
| Single ca. vial | .01 | : .01% |
| Spruce, 25% liquid tanks, wks D | .02 | : .02% |
| Powd. 50% 100 lb bags. wks. D | .09 | : .10 |
| Starch, rice, 140 lb bags..... | ... | : .10 |



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Columbia Chemical Division,
Pittsburg Plate Glass Co., Barberton, Ohio

Caustic Soda

All Tests

Soda Ash

Dense-Light
Granular if Desired

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NEW YORKFIRST NAT'L BANK BLDG.
CINCINNATICHEMICAL
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COMPANY

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Rail and Water FacilitiesSEABOARD CHEMICAL CO.
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Rector 4090-4091Cables
Seaboard-New York

Chemicals

| | | |
|---|--------|-------------|
| STARCH, powd. 140 lb bgs c/1 100 lb | ... | 3.77 |
| Bags 1c/1 | 100 lb | 3.87 |
| Pearl, 140 lb bgs | 100 lb | 3.67 |
| Bags, 1c/1 | 100 lb | 3.77 |
| Potato domestic, 200 lb bags c/1 lb | ... | .04 : .04½ |
| Imported bags duty paid .. lb | ... | .06½ : .07 |
| Wheat, dom thick bgs | lb | .06½ : .07 |
| Thin bgs, | lb | .09½ : .10 |
| Sol. Potato | lb | .07 : .07½ |
| STRONTIUM Bromide, USP, 50 lb | ... | |
| bags | lb | .51 : .52 |
| Carb. 600 lb bbls. wks. lb | ... | .07 |
| 100 lb bgs, wks. | lb | .08 |
| Iodide, USP, 15 lb jars | lb | 4.00 |
| Nitrate, 600 lb bbls., wks. lb | ... | .08½ : .09 |
| Imp., bbls., NY | lb | .07½ : .08 |
| Salicylate, USP, 100 lb kegs .. lb | ... | .75 : .80 |
| STRYCHNINE Alkaloid, USP, crys. | ... | |
| 100 oz. tins | oz. | .71 |
| Japanese, cans | oz. | .75 |
| Alk. powd. USP | oz. | .61 |
| Acetate | oz. | .65 |
| Glycerophosphate, USP | oz. | .65 |
| Hydrobromide | oz. | .65 |
| Hydrochloride | oz. | .65 |
| Hydrophosphite | oz. | .75 |
| Nitrate, USP | oz. | .65 |
| Phosphate | oz. | .65 |
| Sulfate, USP, crys. powd | oz. | .50 |
| Saccharinate | oz. | 1.25 |
| Strychnine preparations quoted bases | ... | |
| 1000s lots in 1000s tins. Small sizes: | ... | |
| ¼ oz vials, 50c extra; ½ oz vials, 25c | ... | |
| extra; single ounce vials, 7c extra. Lots | ... | |
| of 25 oz. 5c higher than above | ... | |
| schedule. Lots of less than 25 oz. | ... | |
| 10c higher per oz. | ... | |
| Sugar Coloring (See Caramel) | ... | |
| Sugar Milk, USP, 200 lb bbls .. lb | ... | .20 : .21 |
| Second Hands, USP, bbls | lb | .18 : .19 |
| Sulfonal, see Sulfomethane | ... | |
| Sulfomethylmethane, USP, 10 bxs lb | ... | 3.85 : 4.05 |
| Sulfomethane, USP, 10 lb bxs lb | ... | 2.65 : 2.85 |

| | | |
|--|--------|-----------------|
| SULFUR | ... | |
| Crude, f.o.b. mines | ton | 14.00 : 15.00 |
| Brimstone, 250 lb bags, c/1 100 lb | ... | 1.75 : 1.95 |
| Less c/1 bags NY | 100 lb | 1.85 : 2.10 |
| Roll, 500 lb bbls, c/1 NY 100 lb | ... | 2.15 |
| Less c/1 bags NY | 100 lb | 2.20 : 2.45 |
| Flour, Heavy, 250 lb bbls, 100 lb | ... | 2.50 : 3.05 |
| Light, 100%, 250 lb bbls, 100 lb | ... | 2.60 : 3.15 |
| Rubbermakers 100%, 240 lb | ... | |
| bbls., NY | 100 lb | 2.50 : 3.15 |
| Commercial, 99%, 150 lb bgs. | ... | |
| NY | 100 lb | 1.35 : 1.65 |
| For Dusting, 99%, 100 lb | ... | |
| bgs., NY | 100 lb | 1.95 : 2.50 |
| Flowers, 100%, 240 lb bbls. | ... | |
| NY | 100 lb | 3.25 : 3.90 |
| Precipitated, 125 lb bbls NY .. lb | ... | .15 : .17 |
| Lac, 125 lb bbls NY | lb | .10 |
| Sulfur Chloride, red, 700 lb drs. | ... | |
| wks. | lb | .05½ : .06 |
| 150 lb chys., wks. | lb | .07 |
| Yellow, 700 lb drs. wks. | lb | .04½ : .05 |
| 150 lb chys., wks. | lb | .06 |
| Sulfur Dioxide, 100 lb cyl. lb | ... | .08 : .08½ |
| Iodide, USP, VIII, 5 lb bot. lb | ... | 4.55 |
| Sulfuric Ether, see Ether | ... | |
| Sulfuryl Chloride, 600 lb drs. lb | ... | .65 : .70 |
| Sumac, liquid, 450 lb bbls | lb | .05 : .07 |
| Stainless, 600 lb bbls | lb | .10 : .10½ |
| Sumac, Sicily leaves 100 lb bags ton | ... | 150.00 |
| Ground | ton | 125.00 : 130.00 |
| Virginia, 150 lb bags | ton | 55.00 : 60.00 |
| Destructive, distilled, bbls. gal | ... | .68 : .70 |
| TALC, Italian 220 lb bags NY | ton | 40.00 : 60.00 |
| Refined, white, bags | ton | 50.00 : 55.00 |
| French, 220 lb bgs., NY | ton | 30.00 : 35.00 |
| Refined, white, bags | ton | 38.00 : 45.00 |
| Dom., crude, 100 lb bags NY | ton | 12.00 : 15.00 |
| Refined, 100 lb bags NY | ton | 18.00 |
| Tankage, ground, NY | unit | 4.00 |
| High grade f. o.b. Chicago | unit | 4.30 |
| So Am. c.i.f. | unit | 4.40 |
| Tapoca Flour, high grade bgs. lb | ... | .05½ : .06 |
| Medium grade, bags | lb | .04½ : .05 |
| Low grade, bags | lb | .03½ : .03¾ |

| | | |
|--|--------|-------------|
| Tar Coke Oven, Tks. wks. gal | ... | .07 : .08 |
| Water Gas, Tks. wks. gal | ... | .08 |
| Tar, kiln-burnt | bbl | 14.00 |
| Retort | bbl | 15.00 |
| Tartar Emetic, tech. 700 lb bbls. lb | ... | .23 |
| USP, 300 lb bbls | lb | .31 : .34 |
| Tensilac 41, 100 lb drums | lb | .65 |
| Tensilac 69, 100 lb drums | lb | 4.80 |
| Terpine Hydrate, USP, 100 lb kegs lb | ... | .45 : .47 |
| Terpineol, CP, 1000 lb drums .. lb | ... | .38 : .40 |
| Cans, 50 lb | lb | .42 : .45 |
| Imported, cans 25 lb | lb | .43 : .46 |
| Terpinyl Acetate, 25 lb cans | lb | 1.65 : 1.85 |
| Terra Alba, No. 1, 300 lb bbls, 100 lb | ... | 1.85 : 1.90 |
| Tetralene, 50 gal drs. wks. gal | ... | 1.45 |
| Tetrachlorethane See Acetylene Tetrachloride | ... | |
| Theobromine Alk., 5 lb cans | lb | 3.60 : 3.75 |
| Sod. Salicylate, 1 lb bot. lb | ... | .29 : .32 |
| Thiocarbamid, 170 lb bbls | lb | .34 : .36 |
| Thymol, USP, 25 lb tins | lb | 3.75 : 4.25 |
| Iodide | lb | 6.75 : 7.00 |
| TIN, metal Straits NY | lb | .57½ |
| Iodine, 5 lb boxes | lb | 7.25 : 7.60 |
| American Standard, NY 100 lb | ... | 69.00 |
| 99% American, NY | 100 lb | 67.75 |
| Bichloride, 50% soln. 100 lb | ... | |
| bbls wks | lb | .16 |
| Crystals, 500 lb bbls, wks | lb | .39½ |
| 100 lb kegs wks | lb | .40 |
| Oxide, 300 lb bbls wks. | lb | .60 |
| 100 lb kegs wks. | lb | .62 |
| Tetrachloride, 100 lb drs wks lb | ... | .33½ |
| Titanium Oxide, bbls, wks. lb | ... | .13 : .14 |
| Toluidine, 350 lb bbls | lb | .90 : .94 |
| Sulfate, 350 lb bbls | lb | .80 : .85 |
| Toluene, 8000 gal tank cars wks gal | ... | .26 |
| 110 gal drs wks | gal | .31 |
| Toluidine, Mixed, 900 lb drs, wks. lb | ... | .31 : .32 |
| Toners, para red | lb | .90 : 1.00 |
| Toluidine | lb | 1.80 : 1.90 |
| Triacetin, 50 gal drs wks | lb | .35 : .40 |
| Tribromophenol, 100 lb cases | lb | 1.10 |
| Trional, see Sulfomethylmethane | ... | |
| Triphenylguanidine | lb | .69 : .73 |
| Triphenyl Phosphate, 450 lb bbls lb | ... | .75 |

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HEXALIN
[Hexa Hydro Phenol]
TETRALIN
[Tetra-Hydro-Naphthalene]
Immediately Available



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PASSAIC, NEW JERSEY



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Benzol Department

40 Rector Street  New York, N. Y.

Coast to Coast Producing Points!

Chemicals

| | | | |
|---------------------------------------|---------|----------|---------|
| Tripoli, 500 lb bbls | 100 lb | 2.50 | 3.00 |
| Tungsten, NY | WO unit | 11.75 | 13.00 |
| Turkey Red Oil, bbls single | D | .11 | .13 |
| Turpentine | D | .16 | .19 |
| Turpentine spirits, bbls | gal | 1.08 1/4 | 1.13 |
| Wood steam Dist. bbls | gal | .96 1/4 | 1.00 |
| Ultramarine Blue | D | .15 | .25 |
| UREA, pure, 112 lb cases | D | .18 | .20 |
| Valonia Caps, 30-31% tan | ton | 35.00 | 38.00 |
| Beard, 42% tan, bgs | ton | 55.00 | 57.00 |
| Mixture, 36% tan | ton | 40.00 | 42.00 |
| VANILLIN, USP, 500 gm cans | cs | | .49 1/4 |
| Cans, 80 gm | cs | | .50 |
| Cans, 16 gm | cs | | .51 |
| Second Hands | cs | .47 | .58 |
| Venetian Red | D | | .05 |
| Vermilion, see Copper Subacetate | | | |
| Vermilion, Amer. 100 lb kegs | D | .35 | .40 |
| English, bags | D | 1.40 | 1.45 |
| Veratrine Sulfate, 1 gm vial | cs | | 1.85 |
| Hydrochloride, 1 gm vial | cs | | 1.85 |
| Veronal, see Acid Diethylbarbituric | | | |
| Vulcanite, 250 lb bbls, wks | D | .75 | .79 |
| Wattle Bark, bgs | ton | 45.00 | 46.00 |
| WHITE LEAD, see lead, white | | | |
| White Precipitate, see mercury | | | |
| Whiting, 200 lb bags, c/l wks 100 lb | | | 1.25 |
| Gilders, bags NY | 100 lb | | 1.35 |
| French, bags NY | ton | 14.50 | 15.00 |
| English, bags, NY | ton | 21.00 | 23.00 |
| Paris White | 100 lb | 1.80 | 1.80 |
| Witch Hazel Extract, 50 gal. bbls gal | | 1.05 | 1.10 |
| XYLENE, 3° dist range, nitration | | | |
| 110 gal, drs NY | gal | | .35 |
| 5° dist range, 8000 gal. tanks | | | |
| wks | gal | | .40 |
| 110 gal, drs wks | gal | | .45 |
| 10° dist range, drums, wks | gal | | .40 |
| Tanks, wks | gal | | .35 |
| Commercial, 110 gal drs, wks gal | | | .31 |
| Tanks, wks | gal | | .38 |
| Xylidine, crude | D | .37 | |
| Refined | D | .40 | .42 |

| | | | |
|-----------------------------------|--------|---------|----------|
| YARA YARA, 1 lb tins | D | 1.65 | 1.30 |
| Yohimbin Hydrochloride, 1 gm vial | cs | 3.15 | 4.00 |
| Resale | cs | | 3.00 |
| Yolk Oil bbls | D | | .35 |
| ZINC, METAL, high grade, slabs | | | |
| c/l NY | 100 lb | | 8.00 |
| Common Slabs, c/l NY 100 lb | D | 7.95 | 7.97 1/2 |
| Mossy, 25 lb bxs. NY | D | | .14 |
| Ammonium Chloride, powd., 400 lb | | | |
| bbls | D | | .06 1/4 |
| Carb. tech bbls NY | D | .10 | .10 1/2 |
| CEP, 100 lb kegs | D | | .20 |
| Chloride, fused, 500 lb drs wks | D | | .67 1/2 |
| Drx. c/l wks | D | | .08 |
| Granulated, 500 lb bbls wks | D | | .08 |
| Imported, dr NY | D | .07 1/4 | .07 1/4 |
| Solution, 50%, tanks wks 100 lb | D | | 8.00 |
| CEP, 25 lb jars | D | .27 | .30 |
| Cyanide, 100 lb drs | D | .40 | .41 |
| Dust, 100 lb tins, wk | D | | .10 |
| 500 lb bbls kegs c/l wks | D | | .09 |
| 500 lb bbls, kegs, lc/l wks | D | | .09 1/2 |
| Iodide, 5 lb lots | D | | 5.25 |
| Nitrate, 25 lb jars | D | | .45 |
| Oxide, Amer. Bags wks | D | .07 1/4 | .07 1/4 |
| Oxide, Amer. 300 lb bbls, wks | D | .10 | .12 1/2 |
| French, 300 lb bbls wks | D | | .09 1/4 |
| Bbl. c/l wks | D | | .11 1/4 |
| Bags, c/l wks | D | | .09 1/4 |
| USP, 100 lb bbls c/l | D | | .14 |
| 10-25 bbl lots | D | | .15 |
| 5 bbl lots | D | | .16 |
| 1 bbl lots | D | | .17 |
| Imported, white seal, bbls | D | | .12 |
| Green seal, bbls | D | | .10 |
| USP 100 lb bbls | D | 15 1/4 | 15 |
| Stearate, USP, 50 lb bbls | D | .21 | .23 |
| Second Hands | D | .20 | .21 |
| sulfate 400 lb bbls, wks | D | .08 1/4 | .08 1/4 |
| Bbls, c/l wks | D | | .03 |
| USP 100 lb bbls | D | .14 | .15 |
| Sulfone, 500 lb bbls | D | .30 | .30 |
| Sulfocarbonate, 100 lb kegs | D | .20 | .23 |
| wks | D | 1.25 | 1.75 |
| Zincocum, oxide, pure | D | .45 | .50 |
| Semi-ref'd, bgs | D | .08 | .10 |
| Natural, bgs | D | .03 1/4 | .03 |

Oils - Fats

| | | | |
|--|-----|---------|---------|
| Castor, No. 1, 400 lb bbls | D | .16 | .16 1/4 |
| 80 lb cases | D | .17 | .17 1/2 |
| No. 3, bbls | D | .15 1/4 | .16 |
| Blown, 400 lb bbls | D | | .18 |
| China Wood, spot NY | D | .13 1/4 | .13 1/2 |
| Tanks, Spot NY | D | | .12 1/4 |
| Coast, tanks | D | .11 1/4 | .12 |
| Coconut, Ceylon, 375 bbls NY | D | .11 1/4 | .11 1/4 |
| 8000 gal tanks, NY | D | .10 1/4 | .10 1/4 |
| Cochin, 375 lb bbls NY | D | .11 1/4 | .11 1/4 |
| Tanks, NY | D | | .11 |
| Manila, bbls NY | D | .11 1/4 | .11 1/4 |
| Tanks, Pacific Coast | D | | .09 1/2 |
| Edible, bbls NY | D | .12 1/4 | .12 1/4 |
| Cod Newfoundland, 50 gal bbls gal | | .62 | .65 |
| Tanks, NY | gal | .54 | .55 |
| Cod Liver, see Cod Liver Oil under Chemicals | | | |
| Copra, bags | D | .05 1/4 | .06 |
| Corn, ref., 375 lb bbls, NY | D | | .13 |
| Crude, tanks mills | D | .09 1/4 | .10 |
| Bbls, NY | D | .11 1/4 | .12 |
| Cottonseed, crude, tks mill | D | | .08 1/4 |
| PSY, 100 bbls NY Sept | D | .10 1/4 | .10 1/4 |
| Oct-March | D | .10 | .10 1/2 |
| White, 100 bbls, lots, NY | D | | |
| Winter yellow, 100 bbls, NY | D | .13 1/4 | .14 |
| Degras, Amer, 50 gal bbls, NY | D | .04 1/4 | .04 1/4 |
| English, light, bbls, NY | D | .05 1/4 | .05 1/4 |
| Brown, bbls, NY | D | .04 1/4 | .04 1/4 |
| Light brown, bbls, NY | D | .04 1/4 | .04 1/4 |
| Dark, bbls, NY | D | .03 1/4 | .04 |
| Neutral, bbls, NY | D | .07 1/4 | .12 |
| Moellon, bbls, NY | gal | | .50 |
| Greases, choice white, bbls NY | D | .15 1/4 | .15 1/4 |
| Yellow | D | | .09 1/4 |
| PSY, 100 bbls NY sept | D | .10 1/4 | .10 1/4 |
| House | D | .09 | .09 1/4 |
| Sone naphtha | D | | .07 |

Benzoate of Soda

Benzaldehyde

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Sal Soda
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Produce white emulsion free from deposit.
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P. O. Box 473

St. Louis, Mo.
1200 Switzer Avenue

Oils - Fats

| | | | |
|-----------------------------|-----|------|--------|
| Berring, Tanks, Coast | gal | .40 | : nom. |
| Horse, 375 lb bbls., NY | lb | .10 | : nom. |
| Lard, prime steam, bbls | lb | .17% | : .17% |
| Compounds, bbls | lb | .14% | : .14% |
| LARD OIL, edible prime | lb | .18% | |
| off prime bbls | lb | .18% | |
| Extra bbls | lb | .14% | |
| Extra, No. 1, bbls | lb | .13 | |
| No 1, bbls | lb | .12% | |
| No 2 bbls | lb | .12% | |
| LINSEED, raw c/l bbls spot | gal | 1.05 | |
| Five, bbls raw | gal | 1.08 | |
| Tanks, raw | gal | .99 | |
| Boiled, 5 bbl lots wks | gal | 1.11 | |
| Double boiled, 5 bbl | gal | 1.12 | |
| Sept c/l wks | gal | 1.05 | |
| Oct-April c/l wks | gal | ... | |
| Imported bbls, NY | gal | ... | |
| Tanks, NY | gal | ... | |
| Menhaden, crude bbls wks | gal | .55 | |
| Crude, tanks Balt | gal | .50 | |
| Light pressed, bbls, NY | gal | .70 | |
| Yellow, bleached, bbls, NY | gal | .73 | |
| Extra bleached, bbls, NY | gal | .75 | |
| Blown, bbls, NY | lb | .10% | |
| Nestsfoot, 20° c.t. bbls NY | lb | .17% | |
| Pure, bbls, NY | lb | .14% | |
| Extra, bbls NY | lb | .13 | |
| No 1 bbls, NY | lb | .12% | |
| Osio Oil, No 1 bbls NY | lb | .17 | |
| No 2, bbls NY | lb | .13% | |
| No 3 bbls, NY | lb | .12 | |
| OLIVE, denatured bbls NY | gal | 1.20 | : 1.23 |
| Edible, bbls., NY | gal | 2.00 | : 2.80 |
| Foots bbls NY | lb | .08% | : .08% |
| Shipments | lb | .08% | : .08% |
| Palm Lagos, 1500 lb casks | lb | .09 | : .09% |
| Niger casks | lb | .08% | : .09 |
| Bonny old Calabar, casks | lb | ... | : nom. |
| Palm Kernel, bbl, NY | lb | ... | : .11% |

| | | | |
|-------------------------------------|-----|------|--------|
| Peanut, refined, bbls., NY | lb | .15 | : .16 |
| (Crude, mills buyers' use) | lb | ... | |
| Crude, bbls, NY | lb | ... | : 10% |
| Perilla, bbls NY | lb | ... | : .15% |
| Poppseed, bbls., NY | gal | 2.25 | : 2.50 |
| Rapeseed, refined bbls NY | gal | 1.02 | : 1.05 |
| Blown bbls NY | gal | ... | : 1.05 |
| Red Oil, distilled, bbls | lb | .11% | : .12% |
| Saponified, bbls | lb | .11% | : .12% |
| Tanks | lb | ... | : .11 |
| Salmon, 8000 gal. tks. Coast | gal | .50 | : nom. |
| Sesame, edible, yellow bbls | lb | .13% | : .13% |
| White | lb | .14% | : .15 |
| Sod Oil, bbls., NY | gal | ... | : .40 |
| SOYA BEAN, crude tks, Pacific Coast | lb | ... | : .11% |
| Crude, tks, NY | lb | ... | : .12% |
| Crude, bbls NY | lb | ... | : .13% |
| Refined, bbls, NY | lb | ... | : .14% |
| Sperm, 38° c.t. blehd. bbls NY | gal | .87 | : .89 |
| 45° cold test, blehd. bbls NY | gal | .85 | : .87 |
| STEARIC ACID, s.p. 200 lb bags | lb | ... | : .14% |
| Double pressed, bags | lb | .14% | : .15% |
| Double pressed, bgs. saponified | lb | .14% | : .15% |
| Triple pressed, bgs., distilled | lb | .17 | : .17% |
| Triple pressed, bgs. saponified | lb | .17 | : .17% |
| Stearine oilco, bbls | lb | ... | : .14% |
| Tallow, edible tierces | lb | ... | : .11% |
| City, extra loose | lb | ... | : .09% |
| Tallow Oil, acidless tks, NY | lb | ... | : .11% |
| Bbls c/l NY | lb | ... | : .13% |
| Walnut, crude bbls, NY | lb | ... | : - |
| Whale, nat winter bbls., NY | gal | ... | : .79 |
| Blehd. winter bbls., NY | gal | ... | : .81 |
| Extra Rich, bbls., NY | gal | ... | : .93 |
| Crude No 1, tanks Coast | gal | ... | : ... |
| Crude, No. 2, tanks Coast | gal | ... | : ... |
| Crude, No. 3, tanks Coast | gal | ... | : ... |

Crude Drugs

| | | | |
|---------------------------------|----|------|---------|
| Acrodisium Gum, red, see Yacca | | | |
| ACONITE LEAVES, bales | lb | .09 | : .10 |
| Root, USP, bags | lb | .25 | : .26 |
| Agar Agar, 1, 200 | lb | 1.32 | : 1.40 |
| No 2 bales | lb | 1.35 | : 1.40 |
| No 3 bales | lb | 1.10 | : 1.25 |
| Agaric, white, cases | lb | 2.75 | : 3.00 |
| Granulated, boxes | lb | 3.25 | : 3.40 |
| Almonds, bitter, boxes | lb | .55 | : .60 |
| Sweet, boxes | lb | .65 | : .70 |
| Meal, barrels, boxes | lb | .24 | : .26 |
| Aletris Root, bags | lb | .35 | : .38 |
| Alkanet Root, bag | lb | .08% | : .10 |
| Aloes, Barbadoes, 120 lb bbls | lb | .70 | : .75 |
| Cape, 400 lb cases | lb | .09 | : .09% |
| Curacao, 100 lb cases | lb | .10% | : .11 |
| Socotrine whole, 300 lb cs | lb | ... | : .35 |
| Select, cakes, lb | lb | .26 | : .38 |
| Althea Root, Cuts, cs | lb | .45 | : .47 |
| Whole | lb | .24 | : .25 |
| Ambergris, black boxes | lb | 8.00 | : 10.00 |
| Grey, boxes | lb | ... | : 26.00 |
| Ammoniac, tears, bags | lb | .75 | : .80 |
| Angelica Root, dom. bags | lb | .13 | : .14 |
| Angostura Bark, bags | lb | .15 | : .20 |
| Anise, Levant, bags | lb | .14% | : .15 |
| Russian bags | lb | .14 | : .14% |
| Star Cases | lb | .15 | : .15% |
| Spanish bags | lb | .16% | : .17 |
| Annatto Seed, 200 lb bags | lb | .15 | : .18 |
| ARABIC GUM, | | | |
| White, No. 1, 200 lb bags | lb | .24 | : .25 |
| Secunde, 250 lb bags | lb | .22 | : .22 |
| Sorts, Amber, 200 bbls bbl lb | lb | .13 | : .13% |
| Powd., USP, 300 lb bbls | lb | .21 | : .21 |
| Arca Nuts 150 lb bags | lb | .18 | : .19 |
| Powd., 200 lb bbls | lb | .20 | : .21 |
| Argols, Red, grd. see Chemicals | | | |
| Arnica Flowers, bales | lb | .11 | : .14 |
| Root, bags | lb | .28 | : .30 |



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Crude Drugs

| | | | | | | | | |
|-------------------------------------|-------|---------|---|------|--------|-------------------------------------|-------|---------|
| Arrowroot, Amer. Powd. bbls.... | .10 | : .10% | Cassia Bataria, No. 3 bales.... | .10 | : .10% | Elecampene Root, bags..... | .09 | : .10 |
| Bermuda, bbls..... | ... | ... | China, select rolls cases.... | .09% | : .10% | Elder Flowers, bags..... | .10 | : .13 |
| St. Vincent Powd. bbls..... | .13 | : .14 | Broken, bales..... | .04% | : .06% | Elemi Gum, 85lb cases..... | .16 | : nom |
| Assafetida, USP, 250lb cases.... | .24 | : .27 | Buds, cases..... | .20 | : .21 | Elm Bark, select 5lb bundles cases | .26 | : .27 |
| Powd., 50lb bxs..... | .45 | : .50 | Cassia Fistula, baskets..... | .07 | : .09 | Grinding, bags..... | .16 | : .17 |
| BALM GILEAD BUDS, bags..... | .42 | : .45 | Cattle Soap, USP, powd., 200lb | ... | ... | Powdered, bbls..... | .23 | : .25 |
| Balmomy Herbs, bales..... | ... | ... | bags..... | .20 | : .22 | ERGOT 150lb 200lb bags..... | .55 | : .57 |
| BALSAMS | ... | ... | Caster Beans, bags..... | .08 | : .08% | New crop..... | .57 | : .58 |
| Copaiba, Para 80lb cs..... | .40 | : .42% | Castoreum, See Aromatic Chemicals, Perfumes, Sun- | ... | ... | Eucalyptus Leaves, bales..... | .05% | : .06 |
| South American, 80lb cs..... | .46 | : .47 | dries..... | ... | ... | Euphorbia Pilulifera Herb, bags.... | .08 | : .08% |
| Fir Canada, cases..... | 11.00 | : 13.00 | Catnip Herb, bales..... | .23 | : .26 | Euphorbium Gum, cases..... | .23 | : .27 |
| Oregon bbls cases..... | .80 | : .85 | Catechu Gum, bags..... | .11 | : .12 | Powdered boxes..... | .25 | : .29 |
| Peru, 120lb cases..... | 1.75 | : 1.80 | Celery Seed bales..... | .28 | : .29 | Fennel Seed, French, bags..... | .08% | : .09 |
| Tolu, 120lb cases..... | 1.40 | : 1.50 | Ceresin Wax, white bags..... | .12 | : .30 | German bags..... | .12% | : .13 |
| Bamboo Brier Root, bags..... | .06 | : .07 | Yellow, 200lb bags..... | .10 | : .12 | Indian, bags..... | .08% | : .09 |
| Barberry Bark, tree bales..... | .13 | : .16 | Imp 100 lb bags..... | ... | : .34 | Fenugreek Seed, 200lb bags..... | .05 | : .05% |
| Root, bags..... | .35 | : .37 | CHAMOMILE FLOWERS, Roman | ... | ... | Fish Berries, 100-125lb bags..... | .07% | : .08 |
| Bayberry Bark, bales..... | .10 | : .12 | cases bales..... | .20 | : .25 | Flax Seed, whole, 180lb bbls.... | 15.00 | : 15.05 |
| Wax, bbls..... | .21 | : .22 | Hung. cases bales..... | .18 | : .20 | Ground, 180lb bbls..... | .08 | : .08% |
| Belladonna Leaves, bales..... | .25 | : .27 | Charcoal, Willow powd bbls..... | .06 | : .06% | Fringe Tree Bark, bags..... | .24 | : .26 |
| Root, bags..... | .14 | : .16 | Wood, powd. bbls..... | .04 | : .06 | Fumigating Pastilles Black, 1lb | ... | : .18 |
| Bees Wax, white cases..... | ... | : .55 | Chestnut Bark, bags..... | .07 | : .08 | boxes..... | ... | : .50 |
| Yellow, refined, cases..... | ... | : .45 | Herb, bales..... | .06 | : .06% | Red, 1lb boxes..... | .45 | : .50 |
| Crude bales..... | .38 | : .42 | Chicle Gum 100 lbs..... | .85 | : .90 | GALANGAL ROOT, bags..... | .09 | : .10 |
| Benzoin Gum, Slam, boxes..... | 1.30 | : 1.50 | Chilretia, bales..... | .07 | : .10 | Galbanum Gum, cases..... | .80 | : .85 |
| Sumatra, 80lb boxes..... | .23 | : .24 | Cinchona Bark, red quill bales | .75 | : .85 | Gambier Gum, bags..... | .12% | : .16 |
| Berberis Aquifolium Root, bags.... | .11 | : .13 | Broken cases..... | .24% | : .28 | Gamboge Gum, 160lb cases..... | 1.15 | : 1.25 |
| Beth Root, bags..... | .24 | : .26 | Jacannon, Caylon, No. 1 bales | .41 | : .42 | Powdered cases..... | ... | : 1.35 |
| Bitter Root, 100lb bags..... | .40 | : .48 | No. 2, bales..... | .37% | : .38 | Gelanium Root, bags..... | .13 | : .13 |
| Blackhaw Bark, root, bales..... | .30 | : .31 | No. 3, bales..... | .37 | : .38 | Gentian Root, bags..... | .07% | : .08 |
| Tree, bales..... | .15 | : .17 | Civet, Abyssin horns..... | 2.35 | : 2.50 | Ground, bbls, boxes..... | .12 | : .13 |
| Blood Root, bags..... | .12 | : .13% | Clover Tops, bags..... | .20 | : .22 | Powdered, boxes..... | .13 | : .13 |
| Sinifing Root, bags..... | .27 | : .30 | Cloves, Zanzibar 135lb bales.... | .28% | : .28% | Ginger African bags..... | .15 | : .15% |
| Boldo Leaves, bales..... | .15 | : .20 | Amygdalus, bales..... | .40 | : .42 | Jamaica, grinding, bags bbls.... | .17% | : .18% |
| Bonest Herb, bales..... | .08 | : .08% | Fenarug, bales..... | .54 | : .55 | Japan, bags..... | .21 | : nom. |
| Leaves, bales..... | .09 | : .11 | Cochineal, Black..... | .54 | : .55 | Cochin, ABC & Lemon, bags..... | .19% | : .21 |
| Storage Flowers, bales..... | .18 | : .20 | Silver..... | ... | : .51 | Cinegong Root, cultivated, bags.... | 8.00 | : 10.00 |
| Synodia Root, bags..... | .09 | : .10 | Olea Leaves, Huamco bags..... | ... | ... | Northwestern Wild, bags..... | 12.00 | : 14.00 |
| Black Indian Root, 100lb bags.... | .40 | : .42 | Troxillo, bags..... | ... | ... | Southern Wild, bags..... | 8.50 | : 10.00 |
| SUCHU LEAVES, short, 350lb | ... | ... | Cobosh Root, Black bags..... | .07% | : .15 | Golden Seal Root, bags..... | 4.65 | : 4.70 |
| bales..... | .62 | : .68 | Blue, bags..... | .10 | : .11 | Powdered boxes..... | 4.90 | : 5.15 |
| Less bales..... | .63 | : .65 | Colecium Root, bags..... | .08 | : .09 | Grains of Paradise, bags..... | .13 | : .14 |
| Long bales..... | ... | ... | Seed, bags..... | .16 | : .17 | Grindelia Robusta Herb, bales.... | .09 | : .09% |
| Buckbean Leaves, bales..... | .11 | : .12 | Colocynth, Pulp USP bales..... | .22 | : .25 | Guaiac Gum, 80lb cases powd..... | .40 | : .48 |
| Buckthorn Bark, bags..... | .07 | : .09 | Pulp..... | .22 | : .25 | Guarana, tins, cases..... | .80 | : .95 |
| Burdock Root, bags..... | .09% | : .10 | Colemba Root, whole bags..... | .03% | : .04 | GUM, see Arabic Gum, etc. | ... | ... |
| Burgundy Pitch, dom., 110lb stands | ... | ... | Coldfoot Leaves, bags..... | .05 | : .06 | HELLEBORE ROOT, | ... | ... |
| Gross for net..... | .05% | : .05% | Comfrey Root, bags..... | .13 | : .14 | Black, bbls..... | .08 | : .10 |
| Imported..... | .10 | : .11 | Cordurango Bark, bags..... | .12% | : .13 | Powdered..... | .15 | : .17 |
| Calabar Beans, bags..... | ... | ... | Conium Herb, bags..... | .11 | : .12 | White, Powd., 250lb bbls.... | .12 | : .18 |
| Calamus Root, bleached, cases.... | .38 | : .38 | Conium Seed, bags..... | .10 | : .11 | Hellonias Root, (unicorn false) | ... | ... |
| Unbleached, bags..... | .06% | : .07 | Copaiba Balsam Para, see Balsams | ... | ... | bags..... | .87 | : .88 |
| Celandine Petals, imp., bales..... | .23 | : .23 | Copal Gum..... | .12 | : .13 | Hemp Seed, bags..... | .03% | : .04 |
| Callaya Bark, bales powd..... | .35 | : .36 | Jorlander Seed, Bombay, bags.... | .06 | : .06% | Herbacea Leaves, bales, USP..... | .25 | : .31 |
| Camphor, see Chemicals | ... | ... | Morocco, bags..... | .04% | : .05% | No. assay..... | .22 | : .28 |
| Canary Seed, Morocco bags..... | .08% | : .08% | Bleached, bags..... | .08% | : .09 | Henna Leaves, bales..... | .08% | : .10 |
| Spanish, bags..... | .08% | : .09 | Corn Silk bales..... | .05% | : .06% | Powdered..... | .13 | : .14 |
| South American, bags..... | .07% | : .08% | Cotton Root Bark, bales..... | .13 | : .14 | Honey, Calif., 120lb cases..... | .11 | : .12 |
| Candelilla Wax, bags..... | .30 | : .32 | Jorhage, or, tins..... | ... | : .68 | Hops, NY prime bale..... | .26 | : .30 |
| Canella Alba Bark, bales..... | .48 | : .50 | Cramp Bark, so-called bales.... | .06% | : .07 | Pacific Coast prime bales..... | .25 | : .27 |
| Cannabis, true Imp. bags..... | ... | ... | True, bags..... | .30 | : .32 | Horehound Herb, bales..... | .07% | : .08 |
| American (no assay) bales.... | .30 | : .40 | Cranebill Root, bags..... | .09 | : .10 | Horse Nettle, Berries, bags..... | .35 | : .36 |
| USP..... | .46 | : .60 | CUBES BERRIES, IX bags..... | .65 | : .66 | Horsetail Rush, bags..... | ... | : .15 |
| Cantharides, Chinese cases..... | .80 | : .85 | Powdered, bxs..... | .65 | : .67 | Hydrangea Root, bales..... | .09 | : .10 |
| Powdered bags..... | 1.00 | : 1.10 | Culters Root, bags..... | .17 | : .18 | India Gum, see Karaya | ... | ... |
| Russian, cases..... | .65 | : .70 | Cumin Seed, Levant bags..... | .14% | : .15 | INSECT FLOWERS, open whole | ... | ... |
| Powdered boxes..... | .78 | : .80 | Malta bags..... | .13 | : .13% | Bales..... | .14 | : .20 |
| Caraway Seed, African, bags..... | .07% | : .08 | Morocco, bags..... | .13 | : .13% | Closed, whole bales..... | .17 | : .23 |
| Dutch, 11lb bags..... | .07% | : .08 | Cuttlefish Bone, Trieste, straps.... | .12% | : .13 | Powdered, pure 200lb bbls..... | .30 | : .32 |
| Cardamom, bleached cases..... | 2.50 | : 2.80 | Jewelry large, straps..... | ... | : .36 | Flowers and Stems, 50 p.c. | ... | ... |
| Decorated cases..... | 2.38 | : 2.50 | Small, straps..... | ... | : .35 | 200lb bbls..... | .24 | : .30 |
| Green, grinding bags..... | 1.58 | : 1.65 | French straps..... | .12% | : .13 | Ipecac Root, Cartagena bags..... | 2.35 | : 2.50 |
| Sassauba Wax, Flor. bags..... | ... | : .40 | Powdered, boxes..... | .08 | : .09 | Powdered, 200lb bbls bxs.... | 2.65 | : 2.70 |
| Powd..... | .37 | : .39 | Broken, boxes..... | ... | : .97 | Rio Whole, bags..... | 2.35 | : 2.45 |
| No 2, N Country bags..... | .33 | : .34 | Damar Gum, 136lb cases..... | .25 | : .25% | Powdered 200lb bbls bxs.... | 2.65 | : 2.70 |
| No 3, N Country bags..... | .29 | : .32 | Damiana Leaves, bales..... | 1.25 | : 1.50 | Saligiana Americana, 180lb cs.... | .75 | : .80 |
| No 3, chalky bags..... | .29 | : .32 | Dandelion Root, Imp bags..... | .18 | : .20 | Russian (Beluga) bxs. ctas.... | 4.06 | : 4.50 |
| Cacara, Amara 150lb bales..... | 1.25 | : 1.50 | Deer Tongue Leaves, bales..... | .08% | : .09 | JABORANDI LEAVES, bales..... | .10 | : .10% |
| So-called, bales..... | .65 | : .70 | Digitalis Leaves, bales..... | .10 | : .11 | Jalap Root, whole, 150lb bags.... | .26 | : .30 |
| Cacara Sagrada, bales..... | ... | ... | Dill Seed, bags..... | .09% | : nom | Powdered, USP, 250lb bbls.... | .34 | : .36 |
| 1920-22 bark..... | .36 | : .38 | Cleaned bags..... | .15 | : nom | Japan Wax, 224lb cs..... | .18 | : .20 |
| 1923 bark..... | .31 | : .34 | Dogwood Bark, Jamaica, bags.... | .09% | : .10 | Job's Tears, White, bags..... | .12 | : .13 |
| 1924 bark..... | .15 | : .16 | American, bales..... | .07 | : .08 | Jumper Berries, 125lb bags..... | .05 | : .05% |
| 1925 bark..... | .13 | : .14 | Doggrass Root, USP, cut bags..... | .10% | : .11 | Sifted..... | ... | : .06 |
| Cascarilla Bark, quills, bales..... | ... | : 1.25 | Dragons Blood, mass cases..... | .70 | : .75 | KALALA, USP, boxes..... | 1.00 | : 1.05 |
| Strippings, bbls..... | ... | ... | Reeds, boxes..... | .85 | : .90 | Karaya Gum, powdered, bbls..... | .10 | : .25 |
| Cassia Bataria, No 1 bales..... | .12% | : .13 | ECHINACEA ROOT, b | .39 | : .32 | ... | ... | ... |
| Shortstick, bales..... | .11% | : .12 | ... | ... | ... | ... | ... | ... |

Crude Drugs

| | | | | | | | | |
|-----------------------------------|------|------|---------------------------------|-------|-------|-------------------------------------|-------|-------|
| Kauri Gum No. 1 | .68 | .70 | Marjoram Leaves, French, bales | .45 | .46 | Opium, Powdered, USP, cases | 13.00 | 14.00 |
| Kava Kava Root, bags | .18 | .19 | Chilian, bales | .31 | .32 | Orange Flowers, cases | .25 | 1.25 |
| Kino Gum, black cases | .55 | .60 | Mastic Gum, 120 lb cans | .60 | .61 | Orange Peel, bitter, bags | .07 | .08 |
| Kola Nuts, 150 lb bags | .04% | .05 | Matico Leaves, bales | .22 | .30 | Sweet, bags | .11 | .11% |
| Kousso Flowers, bags | .50 | 1.25 | Mesereon Bark, bags | .11 | .12 | URRIS ROOT, Florentine bold bags | .09 | .10 |
| LADY SLIPPER ROOT, bags | .45 | .50 | Millet Seed, dom. yellow bags | .03% | .04 | Powdered, 200 lb bbls | .11% | .13 |
| Larkspur Seed, bags | 3.15 | 3.25 | Montan Wax, crude bags | .06% | .07% | Verona, bags | .08 | .10 |
| Laurel Berries, bags | .08% | .09 | Bleached | .08% | .10 | Powdered, 200 lb bbls | .11 | .13 |
| Leaves, Greek bags | .05 | .05% | Moss, Iceland, bales | .12% | .13 | Fingers, cans | .58 | .60 |
| Italian bales | .04% | .05 | Irish, bleached, bales | .09 | .10 | Ookerite Wax, brown hard bags | .24 | .25 |
| American, bales | .25 | .35 | Ordinary, bales | .85 | .90 | Green, hard bags | .30 | .31 |
| Lavender Flowers, ordinary | .23 | .24 | Mullein Flowers, tins | 16.00 | 17.00 | Refined, yellow, bags | .20% | .24 |
| Selected | .30 | .38 | Musk, pods, Caribadian, tins | 23.00 | 25.00 | PAPRIKA, bags | .11 | .12 |
| Leeches tubs | 4.00 | 5.00 | Tonquin | 25.00 | 26.00 | Pareira Brava Root, bags | .15 | .17 |
| Lemon Peel, bags | .12 | .13 | Tonquin | 35.00 | 38.00 | Parsley Seed, bags | .19 | .20 |
| Licorice Root, Russian whole | .07% | .07 | Synthetic, see Chemicals | | | Patchouli, Leaves, bales | .16 | .17 |
| Spanish, natural bales | .08% | .09 | Musk root, Russian bags | 1.30 | 1.40 | Pellitory Root, bales | .07 | .10 |
| Powdered, bbls | .12 | .16 | Mustard Seed Bari brown bags | .08% | .12% | Pennyroyal | .14 | .14% |
| Selected, 2 & 5 lb bundles | .06 | .07 | Bombay, brown | .09% | .09% | Pepper, black, Stng. bags | .28% | .30 |
| Cuttings 125 lb bags | .05 | .06 | California, brown | .11% | .11% | White, bags | .29 | .20% |
| Turkish, 150 lb bales | .60 | .65 | Yellow | .10% | .12 | Aleppy, bags | .19% | .20 |
| Line Juice, clarified bbls | .19 | .20 | Chinese yellow | .10% | .11 | Lampong, bags | .21 | .22 |
| Linden Flowers with leaves, bales | .36 | .38 | English, yellow | .08% | .09 | Tellecherry, bags | .30 | .31 |
| Without Leaves, bales | .62 | .65 | Dutch, yellow | .24 | .28 | Muntok, bags | .21% | .22 |
| Lobelia Herb, bales | .18 | .25 | Danish, yellow | .17 | .18 | Red Chillies, Japan No. 1, bgs | .10% | .11 |
| Seed, bags | 1.75 | 1.80 | Myrrh Gum, select, 200 lb cs | .20 | .22 | Mombassa, bags | .10 | .11 |
| Loraga Root, Imported gabs | 1.00 | 1.05 | Soria, cases | .22 | .23 | Talay, bags | .10% | .10% |
| Lupulin, N. F. tins | 1.10 | 1.15 | WUTGALLS, Chinese, bags | .54 | .54% | Capicurn, Bombay, bags | .25 | .25 |
| Bands, No. 1 cases | 1.05 | 1.08 | Aleppy, bags | .59 | .61 | Peppermint leaves, imp. bales | .18 | .20 |
| Lycopodium, 88 lb cs | 1.05 | 1.10 | Powd. | .48% | .49 | Domestic leaf | .10% | .11 |
| MACE, Siam, No 1 | .88 | .90 | Nutmegs, 110s cases | .05 | .06 | Herb bbls | .68 | .75 |
| Bands, No. 1 cases | .85 | .87 | 75s, 80s, cases | .07% | .10 | Peru Balsam, see Balsams | | |
| Batavia, No. 2 cases | .32 | .40 | Grinding, bags | .05 | .06 | Pichi Leaves, bags | .16 | .18 |
| West India, cases | .60 | .70 | Nux-Vomica Buttons, bags | .06 | .07 | Fimento Select, bags | .10% | .11 |
| Malva Flowers, blue bales | .17 | .22 | Powdered, 200 lb bbls | .10% | .12 | Pink root, true bags | .19 | .20 |
| Black, bales | .62 | .70 | OAK BARK, red bags | .23 | .23 | Pitch, Burgundy, see Burgundy Pitch | .16 | .17 |
| Manoca Root, bales | .40 | .42 | White, bags | .32 | .32 | Plantain Leaves, bales | .09 | .10 |
| Manna, large flake, cases | .10 | .12 | Olibanum Gum, Sift 280 lb cases | .12 | .14 | Pleurisy Root, bags | .23 | .25 |
| Small flake, cases | .33 | .34 | Tears, 280 lb cases | | | Poke Berries, bags | .35 | .35 |
| Sorts, cases | .10 | .12 | No 1, all white 280 lb | .12 | .14 | root | .23 | .25 |
| Mandrake Root bags | .33 | .34 | cases | .23 | .23 | Pomegranate Bark, of root bags | .25 | .27 |
| Marjoram Leaves, German bales | .33 | .34 | No. 2, 280 lb cases | .12 | .14 | Of Fruit, bags | .23 | .25 |
| African, bales | .33 | .34 | Opium, gum, USP, cases | 12.00 | 13.00 | Of Tree | .23 | .25 |
| | | | Granular, cases | 12.00 | 14.00 | Poopy Flowers, red bags | .25 | .27 |

VICTOR CHEMICAL WORKS
CHICAGO, ILL.

OXALIC ACID

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1816 **CHEMICALS** 1925

"Over a Century of Service and Progress"

CAUSTIC SODA

"CARRARA" FILLER

RUBBER MAKERS' LIME

CARBON TETRACHLORIDE

INNIS, SPEIDEN & CO., Inc.
Manufacturers, Importers, Exporters of
Industrial Chemicals

46 CLIFF STREET, NEW YORK

BRANCHES: Chicago, Philadelphia, Boston, Cleveland, Gloversville, N. Y.

FACTORIES: Niagara Falls, N. Y., Jersey City, N. J., Murphysboro, Ill., Owego, N. Y.

Crude Drugs

| | | | | | | | | |
|-------------------------------------|--------|--------|------------------------------------|------|------|-----------------------------------|------|------|
| Poppy Seed, Dutch bags.....D | .10½ | .10½ | Savory Leaves, bales.....D | .07½ | .10½ | Spruce Gum, boxes.....D | 1.00 | 1.50 |
| German, bags.....D | .09½ | .10 | Saw Palmetto Berries, bags...D | .35 | .40 | Spruce Vine, bales.....D | ... | .18 |
| Turkish, bags.....D | .09 | .09½ | Scammony Resin, boxes.....D | 1.35 | 1.50 | Squills, white.....D | .04½ | .05 |
| Blue Indian, bags.....D | ... | ... | Root bags.....D | .08½ | .09 | Powdered, bulk.....D | .12 | .14 |
| White Indian, bags.....D | .08 | .08½ | Senega Root, bags.....D | .65 | .70 | Stavesacre Seed, bags.....D | .35 | .37 |
| Frisky Ash Bark, Southern, bagsD | .21 | .23 | SENNA, Alex 150D cases.....D | .22 | .23 | Sticklac, 250D bales.....D | .35 | .40 |
| Northern bags.....D | .21 | .22 | Leaf, 350D bales.....D | .13 | .14 | Stillingia Root, bags.....D | .09½ | .12 |
| Berries, bags.....D | .12 | .14 | Writings, 400D bales.....D | .10 | ... | Stone Root, bags.....D | .09 | .10 |
| Prince's Pine, bales.....D | .20 | .25 | reworked, 200D bbls.....D | .14 | .14½ | St. Ignatius Beans, bags.....D | .13 | .14 |
| Pulsatilla Herb, bags.....D | .12 | .13 | Timorelly, Bold, 350D bbls.D | .14 | .14 | St. John's Bread bags.....D | .07 | .07½ |
| Pumpkin Seed, bags.....D | .18 | .20 | medium Leaf.....D | .11 | .14 | Stramonium Leaves, bales.....D | .10 | .12 |
| QUASSIA GRIPS, bags.....D | .07 | .07½ | small Leaf.....D | .08 | .11 | Seed bags.....D | .10 | .11 |
| Queen of the Meadow Herb, bags.D | ... | .05 | Powdered, 300D bbls.....D | .09½ | .16 | Strophanthus Seed, Hispidus...D | ... | nom |
| Quince Seed, bags.....D | .80 | .85 | Pods, 350D bales.....D | .14 | .17 | Kombe bags.....D | ... | nom |
| RAPE SEED, South Amer. bagsD | .08½ | .07 | Serpentaria Root, bags.....D | .85 | .90 | Styrax, liquid artif.....D | .35 | .40 |
| Dutch, bags.....D | .08 | .08½ | Shellac, D. C. bags.....D | .73 | .75 | Gen. USP,.....D | .45 | .60 |
| Japanese, small, bags.....D | .07½ | .08 | V.S.O. bags.....D | .73 | .75 | Sunflower Seed, domestic bags..D | .08½ | .08½ |
| Raspberries, dried bbls.....D | .53 | .54 | Diamond I. bags.....D | .73 | .75 | South American, bags.....D | .05 | .05½ |
| Red Saunders.....D | .08½ | .09 | Superfine, Orange bags.....D | .53 | .54 | TAGALDER BARK, bags.....D | .05 | .05 |
| Rhatany Root, bags.....D | .10 | .10½ | T.N. bags.....D | .50 | .51 | Tamarinds, bbls.....D | .06½ | .07 |
| RHUBARB, Root, H.D. cases.....D | .34 | .36 | Garnet, A. C.....D | .51 | .52 | Kep.....per bag | 3.75 | 3.80 |
| Rosemary Leaves, bales.....D | .07 | .08 | cutting bags.....D | .76 | .78 | Fancy Herb, bales.....D | .18 | .19 |
| Rosemary Leaves, bales.....D | .06½ | .07 | Bone Dry, bbls.....D | .58 | .62 | Tar, Barbadoes, 50 gal bbls.....D | 1.40 | 1.45 |
| Shipment.....D | ... | .05 | Sideritis Herb, cut bags.....D | .15 | .18 | Thus Gum, 280D bbls.....D | .08½ | .09 |
| Rosemary Flowers, cases bales...D | ... | .40 | Slmaruba Bark, bales.....D | .08 | .09 | Vicia, see Linum.....D | ... | ... |
| 4000 Petals, pale.....D | .27 | .30 | Skullcap Leaves, Eastern bales.D | .48 | .50 | Thyme, Spanish bales.....D | .08 | .08½ |
| Red.....D | ... | 1.25 | Western bales.....D | .24 | .26 | French, bales.....D | .08 | .08½ |
| One Herb, bales.....D | .18 | .20 | Skunk Cabbage Root, bales.....D | .13 | .16 | Tolu Balsam, See Balsams.....D | ... | ... |
| SABADILLA SEED, bags.....D | .14½ | .16 | Snake Root, Canada, natural, bagsD | .34 | .35 | Tonga Bark, bags.....D | ... | 1.20 |
| Powder, bbls.....D | .20 | .21 | Stripped bags.....D | .65 | .70 | Root bbls.....D | .75 | .80 |
| Saffron Flowers, Amer. Bales.....D | .50 | .55 | SOAP BARK, whole, 150-200D bales | .10 | .12 | Tonka Beans, Angostura, cases..D | 2.00 | 2.10 |
| Valencia, 1D case.....D | \$1.00 | \$2.00 | Cut, 125-175D bags.....D | .09½ | .10½ | Para, cases.....D | .85 | .90 |
| Sage, Dalmatian, bales.....D | .04½ | .05½ | Crushed, 200D bbls.....D | ... | .11½ | Surinam, cases.....D | .85 | .90 |
| Greek, bales.....D | .02½ | .03½ | Spearment Leaves, American balesD | .25 | .27 | Tragacanth Gum, No. 1 ribbon | ... | 1.50 |
| Spanish, bales.....D | .08 | .08½ | Spermaceti, blocks, cakes, casesD | .43 | .44 | No. 2.....D | 1.10 | 1.50 |
| Sandalwood, chips, bags.....D | .16 | .19 | Spikenard Root, bags.....D | .17 | .19 | Powdered, 50D boxes.....D | .87 | .92 |
| Ground, bags.....D | .21 | .22 | ... | ... | ... | Turkish, cases.....D | .45 | .85 |
| Sandarac Gum, 300D bbls.....D | .42 | .44 | ... | ... | ... | ... | ... | ... |
| Sarsaparilla Root, Honduras, balesD | .67 | .70 | ... | ... | ... | ... | ... | ... |
| Mexican.....D | .22 | .23 | ... | ... | ... | ... | ... | ... |
| Sassafras Bark, ordinary bales...D | .15 | .17 | ... | ... | ... | ... | ... | ... |
| Select, bales.....D | .27 | .30 | ... | ... | ... | ... | ... | ... |

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Granular & Powdered

Saccharin Insoluble

Powdered

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New York

Works: New Brunswick, N. J.

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which cannot be otherwise obtained.

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MESSINA (ITALY)D. M. BAKARDJIEV
KARLOVO (BULGARIA)

Essential Oils

| | | | |
|--|---|------|---------|
| Turmeric Root, Madras bags | D | .09 | : .09% |
| Aleppy bags | D | .09 | : .09% |
| Powdered | D | .13% | : .14 |
| China, bags | D | .09 | : .09% |
| Turpentine, Venice true 80 lb cs | D | .27 | : .28 |
| Artificial, 80 lb cases | D | .11 | : .13 |
| Spirits, see Naval Stores | | | |
| UNICORN ROOT, false, see Helonias | | | |
| True, see Aletris | | | |
| Uta Und Leaves, bales | D | .05 | : .05% |
| VALERIAN ROOT Belgian bags | D | .35 | : .38 |
| Vanilla Beans, Mex, whole cases | D | 7.50 | : 10.00 |
| Cuts, cases | D | 7.00 | : 8.00 |
| Bourbon, cases | D | 5.00 | : 5.50 |
| South American, cases | D | 7.00 | : 7.50 |
| Tabiti, yellow label cases | D | 4.50 | : 5.00 |
| Green Label, cases | D | | |
| Vetiver Root, 100 lb bags | D | .25 | : .26 |
| violet Flowers, bags | D | .80 | : .95 |
| WANGO BARK, of root bags | D | .72 | : .73 |
| Of Tree, bags | D | .30 | : .32 |
| White Pine Bark, rosed, bags | D | .07% | : .08 |
| White Poplar Bark, bags | D | .06 | : .07 |
| WILD Cherry Bark, thin green | | | |
| Rosed, bales | D | .13% | : .14 |
| Thick Rosed, bales | D | .07 | : .09 |
| Thin Natural, bales | D | .08 | : .08% |
| Thick Natural, bales | D | .06% | : .07 |
| Willow bark, bags | D | | : .06 |
| White, bags | D | | : .15 |
| Witch Hazel Bark, bgs | D | .07% | : .09 |
| Leaves, bales | D | .08% | : .08 |
| Worm Seed, American, bags | D | .08 | : .08% |
| Lorant, bags | D | 3.00 | : 3.25 |
| Wormwood Herb, imported bales | D | | : .10 |
| Yacca Gum, red | D | .04 | : .04% |
| Ground | D | .05% | : .06% |
| Yellow Root (Zanthoxylum) bgs | D | .16 | : .17 |
| YELLOW DOCK ROOT, bags | D | .12 | : .14 |
| Yellow Parilla Root, bags | D | .16 | : .17 |
| Yerba Santa, bags | D | .10 | : .11 |
| Zedary Root, bags | D | .11 | : .13 |

| Essential Oils | | | |
|-------------------------------------|---|-------|---------|
| Almond, Bitter, USP, 5 lb bot. | D | 3.00 | : 3.25 |
| Bitter ff PA 5 lb bots | D | 3.15 | : 3.35 |
| Sweet, 5 lb cans | D | .75 | : .90 |
| Apricot, Kernel, 50 lb cans | D | .55 | : .60 |
| Amber, crude, 25 lb tins | D | .50 | : .60 |
| Rectified, 25 lb tins | D | .75 | : .80 |
| Angelica Root, 1 lb bot. | D | 25.00 | : 35.00 |
| Anise Tech, 66 lb case | D | .68 | : .71 |
| USP, 60 lb cans | D | .70 | : .75 |
| Bay, 25 lb tins | D | 2.15 | : 2.25 |
| Terpeneless | D | 6.00 | : 6.50 |
| Bergamot, 25 lb coppers | D | 5.25 | : 5.90 |
| Terpeneless | D | 10.00 | : 14.00 |
| Artificial, 25 lb cans | D | 2.00 | : 2.20 |
| Birch Tar, rect. 5 lb bot. | D | .50 | : .60 |
| Crude, 50 lb tins | D | .20 | : .25 |
| Bois de Rose, 25 lb tins | D | 3.50 | : 3.75 |
| Cade, 25 lb cans | D | .30 | : .35 |
| Cajuput, native, 50 lb tins | D | .75 | : .80 |
| Calamus, 5 lb bot. | D | 3.75 | : 4.00 |
| Camphor, Sassy 1000 lb drs | D | | : .14% |
| White, 1000 lb drs | D | .11% | : .12 |
| Cans, 50 lbs | D | .14 | : .14% |
| Cananga, native, 25 tins | D | 2.30 | : 2.40 |
| Rectified, 25 lb tins | D | 2.75 | : 3.00 |
| Caraway, USP | D | 1.70 | : 1.80 |
| Cardamom, USP, 1 lb bot. | D | 40.00 | : 45.00 |
| Carvol, 5 lb bot. | D | 8.75 | : 9.75 |
| Cascarilla, USP, 1 lb bot. | D | 50.00 | : 52.00 |
| CASSIA, 80-85% 400 lb drs | D | 2.25 | : 2.50 |
| Redistilled, USP, 50 lb cans | D | 2.75 | : 3.00 |
| Cedar Leaf, 50 lb tins | D | .80 | : .90 |
| Cedar Wood, light 1000 lb drs | D | .55 | : .60 |
| Celery, 1 lb bot | D | 10.00 | : 10.50 |
| Chaulmoogra, 80 lb cans | D | .85 | : .90 |
| Cinnamon, Ceylon, 1 lb bot. | D | 10.50 | : 11.00 |
| Leaf, 5 lb bot | D | 1.40 | : 1.50 |

| CITRONELLA, Ceylon | | | |
|--|---|--------|----------|
| 1000 lb drums | D | .48 | : .52 |
| 50 lb tins | D | .51 | : .54 |
| Java, 400 lb drums | D | .90 | : 1.00 |
| 50 lb tins | D | 1.00 | : 1.10 |
| Cloves, USP, 50 lb cans | D | 1.90 | : 2.00 |
| 6 lb bot | D | 1.95 | : 2.10 |
| Copaiba, | D | .48 | : .50 |
| Coriander, USP, 1 lb bot. | D | 9.50 | : 10.00 |
| Croton, USP, 25 lb tins | D | .90 | : .95 |
| Cubeba, USP, 5 lb bot | D | 4.50 | : 4.75 |
| Cumin, 1 lb bot | D | 10.50 | : 11.00 |
| Dill, 25 lb cans | D | 3.75 | : 4.00 |
| Erigeron 20 lb tins | D | 3.25 | : 3.75 |
| EUCALYPTUS, Austl. USP, | | | |
| 54 lb | D | .57 | : .58 |
| 500 lb drums | D | .55 | : .54 |
| Fennel, USP, 25 lb tins | D | .90 | : .90 |
| Geranium, African, 25 lb cans | D | 5.25 | : 6.00 |
| Bourbon, 25 lb tins | D | 4.00 | : 4.25 |
| Turkish, 25 lb tins | D | 3.75 | : 4.00 |
| Ginger, 1 lb bot. | D | 10.00 | : 11.00 |
| Gingergrass, 25 lb tins | D | 2.50 | : 2.75 |
| Hemlock, 25 lb tins | D | .82 | : .85 |
| Juniper Berries, USP, 25 lb tins | D | 2.25 | : 2.50 |
| Wood, 50 lb tins | D | .50 | : .55 |
| Lavender USP, 28 lb tins | D | 5.00 | : 5.75 |
| Spice, Spanish, 50 lb cans | D | 1.10 | : 1.75 |
| LEMONGRASS, Ital USP, 25 lb cans | D | 1.85 | : 2.10 |
| Terpeneless | D | 8.00 | : 10.00 |
| American, USP, 25 cans | D | 1.65 | : 1.75 |
| Lemongrass, native 50 lb cans | D | 1.00 | : 1.10 |
| Limes, Express, 25 lb tins | D | 5.00 | : 5.50 |
| Distilled, 25 lb tins | D | 2.25 | : 2.50 |
| Linaloe, Mex, 80 lb cans | D | 3.50 | : 3.75 |
| Mace, distilled, 50 lb tins | D | 1.50 | : 1.60 |
| Mirbane, ref., see Ar. Chemicals | | | |
| Mustard, USP, 1 lb bot | D | 14.00 | : 14.25 |
| Artif, USP, 5 lb bot | D | 2.10 | : 2.25 |
| Neroli, Bigarade 1/2 & 1 lb bot. | D | 75.00 | : 100.00 |
| Petale, 1 lb bot | D | 100.00 | : 125.00 |
| Artificial, 1 lb bot | D | 10.00 | : 20.00 |

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OTTO OF ROSES

Benzyl Benzoate

Benzyl Alcohol

Benzyl Acetate

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Works

42 Wellington Street, East

Elizabeth, New Jersey

Essential Oils

| | | | | | | | | |
|--|---------|-----------|--|-------|---------|--|-------|---------|
| Nutmeg, USP, 25 lb tins lb | 1.50 | : 1.60 | Vetivert, Bourbon, 1 lb bot lb | 12.00 | : 14.00 | Linalool, 5 lb bot lb | 6.00 | : 6.25 |
| Orange, bitter, 25 lb tins lb | 2.70 | : 2.75 | Indian, 1 lb bot lb | 30.00 | : 40.00 | From Bois de Rose, 5 lb bot lb | 7.00 | : 7.25 |
| Sweet W Ind, 25 lb tins lb | 2.55 | : 2.75 | Java, 1 lb bot lb | 20.00 | : 22.00 | MENTHOL, 60 lb cases lb | 11.75 | : 12.00 |
| Italian, 25 lb cop lb | 2.65 | : 3.00 | Wine, heavy, 1 lb bot lb | ... | : 1.50 | less cases, 5 lb cans lb | 11.90 | : 12.25 |
| American 25 lb tins lb | 2.70 | : 2.80 | WINTERGREEN | | | Rhodinol, 1 lb bot lb | 16.00 | : 20.00 |
| Distilled, 25 lb tins lb | 1.70 | : 1.75 | Sweet beh., 25 lb tins lb | 2.50 | : 3.00 | Extra, 1 lb bot lb | 35.00 | : 42.00 |
| Spanish, 25 lb tins lb | 2.70 | : 2.80 | Southern, 25 lb tins lb | 1.85 | : 2.00 | SAFROL, drums lb | .31 | : .32 |
| Origanum, 50 lb cans tech. lb | .25 | : .28 | Gaultheria, true 25 lb tins lb | 7.00 | : 8.00 | 60 lb cans lb | .33 | : .34 |
| Parley, 1 lb bot lb | 3.50 | : 3.60 | Southern, 25 lb tins lb | 3.75 | : 4.00 | Thymol, USP, 25 lb tins lb | 3.75 | : 4.00 |
| Patchouli, 5 lb bot lb | 4.50 | : 5.00 | Synthetic, see Methyl Salicylate | | | SYNTHETIC AROMATICS | | |
| Pennyroyal, dom, 25 lb tins lb | 2.00 | : 2.10 | Wormseed, Balt USP, 25 lb tins lb | 5.00 | : 5.25 | Acetophenone, CP 1 lb bot lb | 3.50 | : 3.75 |
| Imported, 25 lb tins lb | 1.75 | : 1.90 | Wormwood, dom. 25 lb tins lb | 4.00 | : 4.50 | Aldehyde, C-8 (Octyl) 1 lb bot lb | 45.00 | : 60.00 |
| PEPPERMINT nat 60 lb cases lb | 15.00 | : 16.00 | Ylang Ylang, Bourbon, 10 lb tins | | | C-9 (Nonyl), 1 lb bot lb | 70.00 | : 75.00 |
| Redis, USP, 60 lb cases lb | 16.00 | : 17.00 | No. 1 lb | 9.00 | : 10.00 | C-10 (Decyl), 1 lb bot lb | 50.00 | : 58.00 |
| Petit Grain, S.A. 25 lb tins lb | 2.25 | : 2.30 | No. 2 lb | 6.00 | : 7.00 | C-12 (Dodecyl), 1 lb bot lb | 27.50 | : 32.50 |
| French, 1 lb bot lb | 6.50 | : 7.00 | Manila, 1 lb bot lb | 35.00 | : 40.00 | C-14, 1 lb bot lb | 22.50 | : 25.00 |
| Italian, 25 lb tins lb | 2.20 | : 2.30 | OLEORESINS | | | C-16, 1 lb bot lb | 70.00 | : 80.00 |
| Pimento, 25 lb tins lb | 4.00 | : 4.25 | Aspidium, USP, 1 lb bot lb | 2.00 | : 2.25 | Aubepine, see Anisic Aldehyde | | |
| Pinus Sylvestris 25 lb tins lb | .85 | : 1.25 | Sapideum, USP, 1 lb bot lb | 2.00 | : 2.25 | Amyl Acetate, pure 5 gal cans. gal | 4.75 | : 5.50 |
| Pumilio, USP, 25 lb tins lb | 2.25 | : 2.80 | Cubeb, USP, 1 lb bot lb | 4.00 | : 4.50 | Butyrate, 1 lb bot lb | 1.90 | : 2.00 |
| Rose, Fr., 8, 16, & 32 oz pks. oz | 9.00 | : 9.50 | Zinger, 5 lb bot lb | 3.25 | : 3.50 | Cinnamate, 1 lb bot lb | 4.00 | : 4.50 |
| Rulg, 8, 16 & 32 oz pags lb | 9.50 | : 11.00 | Malefera. See Aspidium | | | Formate, 1 lb bot lb | 1.75 | : 2.00 |
| Artificial, 1 lb bot lb | 2.00 | : 2.75 | Oris, 1 lb bot lb | 15.00 | : 18.00 | Phenyl Acetate, 1 lb bot lb | 4.50 | : 5.00 |
| Rosemary, USP, 27 1/2 lb tins lb | .47 1/2 | : .52 1/2 | Pepper, black USP, 1 lb bot lb | 3.50 | : 3.75 | SALICYLATE, dom. 100 lb | | |
| Tech. 1000 drums lb | .45 | : .47 | Vanilla, 1 lb bot lb | 16.50 | : 22.00 | chys lb | 1.45 | : 1.50 |
| Tech. 27 1/2 lb tins lb | .37 1/2 | : .38 | | | | Imported lb | 2.25 | : 2.50 |
| Rue, 1 lb bot lb | ... | : 4.00 | Aromatic Chemicals | | | Valerate, 5 lb bot lb | 2.75 | : 3.00 |
| Sandalwood, K. Ind. USP, 75 lb | | | NATURAL DERIVATIVES | | | Anisic Aldehyde, 1 lb bot lb | 3.00 | : 3.25 |
| cases lb | 7.00 | : 7.10 | Anethol, 2 lb bot lb | 1.00 | : 1.25 | BENZALDEHYDE, USP, 40 lb chys lb | 1.30 | : 1.40 |
| W. Indian (Amayria) 25 lb tins lb | 2.25 | : 2.35 | Barnes, 1 lb bot lb | 2.50 | : 2.60 | FTC, 40 lb chys lb | 1.40 | : 1.50 |
| Sassafras, USP, 50 lb cans lb | .80 | : .90 | CITRAL, 250 cans lb | 2.75 | : 3.00 | Imported, USP, lb | 1.00 | : 1.10 |
| Artificial, 1000 lb dra. 60 lb cans lb | .27 | : .30 | Chromellal 1 lb bot lb | 2.50 | : 3.00 | Benzoic Ether, See Ethyl Benzoate | | |
| Savin, 50 lb tins lb | 2.15 | : 2.30 | EUCALYPTOL, USP, 50 lb cans lb | .90 | : .95 | Benzophenone 1 lb bot lb | 4.50 | : 5.00 |
| Spearmint, USP, 60 lb cases lb | 9.00 | : 9.25 | Eugenol, USP, 25 lb cans lb | 2.75 | : 3.00 | Benzyl Acetate, 100 lb chys lb | 1.35 | : 1.50 |
| Spruce, 50 lb tins lb | .82 | : .85 | Geraniol, Domestic, 50 lb cans lb | 2.50 | : 3.00 | Alcohol, 5 lb bot lb | 1.45 | : 1.50 |
| Tanoy, Amer., 20 lb tins lb | 3.10 | : 3.25 | Imported, 5 lb bot lb | 2.75 | : 3.25 | BENZOATE 5 lb bot lb | 1.35 | : 1.40 |
| Tar, 50 gal bble gal | .25 | : .30 | Iso-Eugenol, 1 lb bot lb | 3.75 | : 3.90 | Medicinal FFC lb | 1.45 | : 1.60 |
| Refined, USP, 25 lb tins lb | | | Imported lb | 3.75 | : 3.90 | Butyrate, C.P., 1 lb bot lb | 6.00 | : 6.50 |
| Thyme, red. USP, 25 lb tins lb | .80 | : .85 | | | | Cinnamate 1 lb bot lb | 9.75 | : 10.00 |
| White, USP, 25 lb tins lb | .95 | : 1.00 | | | | Formate, 1 lb bot lb | 3.25 | : 3.50 |
| Tech, 110 lb drums lb | .65 | : .70 | | | | | | |

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Aromatic Chemicals

| | | | | | | | | | | | |
|--------------------------------------|------|--------|---------------------------------|---------------------------------------|------|--------|-----------------------------------|--------------------------------------|--------|-------|---------|
| Benzyl Propionate, 1 lb bot .. D | 5.00 | : 5.25 | iso-Baifol, 1 lb bot. imp | D | 3.75 | : 4.00 | Terpinyl Acetate 25 lb cans ... D | 1.25 | : 1.35 | | |
| Bornyl Acetate, 1 lb bot | D | 3.25 | : 3.50 | Domestic, 5 lb bot | D | 3.50 | : 3.75 | Imported, 25 lb cans | D | 1.25 | : 1.35 |
| Bornylol, 25 lb cans | D | 3.75 | : 4.25 | Linalyl Acetate, 1 lb bot | D | 8.00 | : 8.50 | TERPENEOL, CP, 1000 lb drs... | D | .35 | : .37 |
| isyl Anthradilate, 1 lb bot. dom. D | | | | Benzoate, 1 lb bot | D | 13.00 | : 14.00 | Cans, 50 lb | D | .39 | : .41 |
| isyl Ether, See Ethyl Butyrate | | | | Formate, 5 lb bot | D | 10.50 | : 12.00 | Absolute, 25 lb cans | D | .50 | : .70 |
| Cinnamic Acid, 5 lb cans | D | 2.90 | : 3.25 | Methyl Acetophenone | D | 3.75 | : 4.00 | Imported, 25 lb cans | D | .40 | : .42 |
| Alcohol, liquid 1 lb bot | D | 6.00 | : 7.00 | ANTHRANILATE dom. 1 lb bot D | | 2.50 | : 3.25 | VANILLIN, USP, 500 ea. cans .. | D | | : .40 |
| Crystallizable | D | 7.00 | : 8.00 | Imported | D | 2.75 | : 3.50 | Cans, 16 oz., 80 oz. | D | .50 | : .51 |
| Aldehyde | D | 3.00 | : 3.25 | Benzoate, 5 lb bot. import | D | 1.00 | : 2.00 | Second Hands | D | .47 | : .50 |
| ETHRONELLOL, 1 lb bot | D | 7.50 | : 9.00 | Domestic, 5 lb bot | D | 1.75 | : 2.00 | Valerianic Ether, See Ethyl Valerate | | | |
| Imported 1 lb bot | D | 7.75 | : 9.00 | Cinnamate, 1 lb bot | D | 3.75 | : 4.25 | Yara Yara, 1 lb cans | D | 1.50 | : 1.60 |
| Chloroethyl Acetate, 1 lb bot | D | 13.00 | : 14.00 | Heptenone, 1 lb bot | D | 3.00 | : 3.50 | PERFUMERS' SUNDRIES | | | |
| COUMARIN, 25 lb cans | D | 3.10 | : 3.25 | Paracresol, 1 lb bot | D | 3.00 | : 3.00 | Almond Meal, 25 lb cans | D | .24 | : .25 |
| DIETHYL PHTHALATE, See Chemicals | | | | Phenylacetate, 5 lb bot. dom. D | | 3.75 | : 4.00 | Amber, liquid, 400 lb drs | D | 2.30 | : 2.30 |
| Diphenylchloride, 25 lb tins | D | .85 | : .90 | SALICYLATE, USP 500 lb | | | | Ambergris, black, bxs | D | 8.00 | : 10.00 |
| Ethyl Acetate, pure, 5 lb bot | D | .45 | : .50 | drums | D | .43 | | Ambergris, gray, bxs | D | 26.00 | |
| Benzoate, 5 lb bot | D | 1.75 | : 1.90 | 50 lb cans | D | .45 | | Balsam Copaiba, Para, 80 lb cases D | | .54 | : .55 |
| Butyrate, 5 lb bot | D | 1.90 | : 2.10 | Second Hands | D | .42 | | South American, 80 lb cases | D | .58 | : .60 |
| Caproate, 1 lb bot | D | 3.25 | : 3.50 | Mirbane, rect., 1000 lb drums | D | .12 | : .14 | Pure, 120 lb cases | D | 1.80 | : 1.80 |
| Cinnamate, 1 lb bot | D | 3.50 | : 3.75 | Musk Ambrette, 1 lb cans | D | 10.00 | : 10.50 | Tolu, 90 lb cases | D | 1.40 | : 1.50 |
| Formate, 5 lb bot | D | .90 | : 1.25 | Ketone, 1 lb cans | D | 11.50 | : 12.00 | Benzoin Gum, Siam, bxs | D | 1.30 | : 1.35 |
| Ethyl-methyl Paracresol, 1 lb bot. D | | 3.25 | : 3.50 | Xylene, 5 lb cans | D | 3.25 | : 3.50 | Castoreum, 1 lb bot | D | 3.75 | : 4.00 |
| Ethyl Phenylacetate, 5 lb bot | D | 3.75 | : 4.00 | Nerolin, 1 lb cans | D | 1.50 | : 1.60 | Chalk, precip. light, 175 lb bbls. D | | .04 | : .05 |
| Propionate, 1 lb bot | D | 1.75 | : 2.00 | Geraniol Ether, 1 lb bot | D | 1.75 | : 2.00 | Cherry Laurel Water, 5 gal cans. gal | | 1.15 | : 1.35 |
| Valerate, 5 lb bot | D | | : 3.75 | Para-Cymene, Refd., 110 gal. drs. gal | | 2.25 | : 2.50 | Civet Abyssin horns | D | 2.10 | : 2.25 |
| Salicylate, 5 lb bot | D | 3.00 | : 2.10 | Phenylacetaldehyde, Dom., | | | | Ladnanum, 5 lb bot | D | 7.50 | : 8.00 |
| Formic Ether, See Ethyl Formate | | | | 1 lb bot. 50 p.e. | D | 8.00 | : 8.50 | Lanolin hydrous, 350 lb bbls | D | .15 | : .21 |
| Geranyl Acetate, 1 lb bot | D | 4.50 | : 5.00 | Imported, 50 p.e. | D | 7.00 | : 7.50 | Anhydrous, 350 lb bbls | D | .18 | : .23 |
| Butyrate, 1 lb bot | D | 13.00 | : 13.50 | 80-85 p.e. | D | 14.00 | : 16.00 | Musk pods, Cabardine, tins | D | 16.00 | : 17.00 |
| Formate, 1 lb bot | D | 12.00 | : 12.50 | Phenylacetic Acid, 1 lb bot | D | 3.00 | : 3.25 | Tonquin, tins | D | 22.00 | : 23.00 |
| Hellotropin, dom., 100-10 lbs | D | 1.85 | : 2.00 | Phenyl Diacetate, 1 lb bot | D | 3.25 | : 3.50 | Grain, Cabardine, tins | D | 25.00 | : 26.00 |
| Imported | D | 2.00 | : 2.25 | 1 lb bot | D | 8.00 | : 10.00 | Tonquin, tins | D | 24.00 | : 25.00 |
| Hydroxyacetone, 1 lb bot | D | 12.00 | : 14.00 | Imported | D | 7.00 | : 7.75 | Synthetic, See Aromatic Chemicals | | | |
| Indol, CP, 1 ea. bot | D | 6.00 | : 6.50 | Phenylethyl Alcohol, 1 lb bot | D | 6.00 | : 7.00 | Orris Rt. Flor., powd bbls | D | .12 | : .13 |
| Isomers, 1 lb bot. 100% | D | 10.00 | : 11.00 | Phenylethyl Butyrate, 1 lb bot | D | 26.00 | : 28.00 | Verona, powd bbls | D | .10 | : .11 |
| Alpha | D | 14.50 | : 16.00 | Formate, 1 lb bot | D | 18.00 | : 21.00 | Petrolatum, snow white 350 lb bbls D | | .12 | : .14 |
| Beta | D | 12.75 | : 14.50 | Propionate, 1 lb bot | D | 20.00 | : 24.00 | Light Amber, 350 lb bbls | D | .04 | : .05 |
| Methyl | D | 16.00 | : 18.00 | Valerate, 1 lb bot | D | 25.00 | : 29.00 | Rice Starch, 140 lb bags | D | .09 | : .10 |
| Iso-Butyl Benzoate, 5 lb bot | D | 4.75 | : 5.00 | Phenylpropylalcohol, 1 lb bot | D | 15.00 | : 16.00 | Rose Water, 6.2-3 gal chgs | D | 1.00 | : 1.25 |
| | | | | Skatol, 1 ea. bot | D | 7.00 | : 7.25 | Sandwood chips, powd., bags | D | .30 | : .35 |
| | | | | | | | | Saponin, 5 lb tins | D | 1.15 | : 1.20 |
| | | | | | | | | Talc, Italian, 220 lb bags | D | 60.00 | : 66.00 |
| | | | | | | | | French, 220 lb bags | D | 40.00 | : 45.00 |
| | | | | | | | | Domestic, ref., 100 lb bags | D | 14.00 | : 15.00 |



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ACIDS—Cresylic, 48 drs., Lehn & Fink, Liverpool; 30 drs., Order, Glasgow; **Stearic**, 200 bgs., Strohmeyer & Arpe Co., Rotterdam; 125 bgs., Order, Rotterdam; **Tartaric**, 120 cks., Superfos Co., Genoa
ALBUMEN—25 brls., J. Morningstar & Co., Hamburg; **Food**, 6 cks., Clegg Chem Co., Liverpool
AMMONIUM—Chloride, 62 cks., Seaboard Nat Bank, Hamburg
ANTIMONY—Regulus, 250 cs., Mech & Metals Nat Bank, Hongkong; 500 cs., Order, Hamburg; 150 cs., Order, London; **Sulfide**, 18 cks., L. H. Butcher Co., London
ARGOLS—241 bgs., Tartar Chem Works, Rotterdam; 835 bgs., Brown Bros & Co., Buenos Aires; 3,499 bgs., Royal Baking Powder Co., Buenos Aires
ARSENIC—Metallic, 25 drs., Pfaltz & Bauer, Hamburg
BALSAM—9 cs., Hamberger Polhemus Co., Corinto; 9 cs., E. Pavenstedt Co., Acapulco; **Tolu**, 25 cs., Comm Bank of Spain America, Puerto Colombia
BARIUM—Nitrate, 68 cks., Hummel & Robinson, Rotterdam
BARKS—24 bls., Order, Trieste; **Mangrove**, 680 bgs., Order, Cape Ha'tien; **Quillay**, 34 cks., Order, Hamburg
BARTES—200 bgs., Order, Bremen
BISMUTH METAL—35 cs., Powers-Weightman-Rosengarten Co., London
CASCARILLO—180 bls., Andean Trdg Co., Cristobal
CASEIN—67 bgs., Amer Exch Nat Bank, Antwerp; 1,918 bgs., Nat City Bank, Buenos Aires; 734 bgs Nat City Bk, Buenos Aires; 250 bgs., Brown Bros & Co., Buenos Aires; 417 bgs., Nat City Bank, Buenos Aires; 500 bgs., Order, Buenos Aires; 250 bgs., Brown Bros & Co., Buenos Aires; 667 bgs., Kalbfleisch Corp., Buenos Aires

CHALK—920 bgs., Nat City Bank, Antwerp; 400 bgs., Reichard Coulston Co., Antwerp; 600 tons, Baring Bros. & Co., Antwerp
CHEMICALS—164 bgs., Brown Bros & Co., Glasgow; 60 cs., H. Hinrichs Chem Corp., Rotterdam; 250 bgs., Roessler & Co., Rotterdam; 31 cs., Order, Rotterdam; 67 drs., Order, Liverpool; 10 kegs, Parke Davis & Co., Hamburg; 55 cs., Tice & Lynch Hamburg; 17 cs., Amer Kreuger & Toll Co., Hamburg; 5 brls., 101 cs., Pfaltz & Bauer, Hamburg; 5 cs., Merck & Co., London; **Products**, 8 cs., F. B. Vandegrift & Co., Antwerp; 442 cans, Anglo So Amer Trust Co., Havre; 30 cs., H. A. Metz Co., Rotterdam; 13 cks., Grasselli Dyestuff Corp., Rotterdam; 32 carbons, 11 cks., H. A. Metz Co., Rotterdam; 10 cs., H. A. Metz Co., Rotterdam
CLAY—29 cks., Order, Rotterdam
COAL TAR—Distillate, 75 drs., Monsanto Chem Works, Liverpool; 223 drs., Order, Liverpool; **Products**, 1 ck., 4 cs., H. A. Metz Co., Rotterdam
COCHINEAL—19 bgs., Amer Trdg Co., Havre
COLORS—4 brls., Irving Bank, Antwerp; 8 brls., Bank of Manhattan Co., Antwerp; 2 brls., Chem Nat Bank, Antwerp; 4 cks., Chem Nat Bank, Havre; 3 cs., B. F. Drakenfeld Co., Havre; 3 cylinders, Sandoz Chem Works, Havre; 11 bgs., W. F. Sykes & Co., Havre; 1 ck., Reichard Coulston Inc., Havre; 3 cs., Devoe & Reynolds, Havre; 32 cks., Geigy Co., Havre; 67 bgs., Ciba Co., Havre; 11 bgs., Carbic Color & Chem Co., Havre; 1 cse., 15 cks., Kuttroff Pickhardt Co., Rotterdam; 10 cks., Color Service Corp., Rotterdam; 15 cks., General Dyestuff Corp., Rotterdam; 12 cks., Grasselli Dyestuff Corp., Rotterdam; 10 brls., H. D. Roosen & Co., Hamburg; **Bronze**, 34

cs., Baer Bros., Bremen; 10 cs., B. F. Drakenfeld & Co., Bremen; **Coal Tar**, 25 cks., General Dyestuff Corp., Rotterdam; **Earth**, 20 cs., Order, Rotterdam
COPRA—708 bgs., Franklin Baker Co., Belize
DIVI DIVI—971 bgs., Suzarte & Whitney, Curacao
ECHTROTAX—5 cks., Grasselli Dyestuff Corp., Rotterdam
EPSOM SALT—500 bgs., Innis Speiden & Co., Hamburg
ETHYL CHLORIDE—6 cs., Hensel Bruckmann & Lorbacher, Hamburg
EXTRACTS—Archil Liquor, 1 ck., Arnold Hoffman & Co., London; 1 ck., Earle & Co., Liverpool; **Logwood**, 400 brls., Logwood Mfg Co., Cape Haitien; **Quebracho**, 2,320 bgs., First Nat Bank Boston, Buenos Aires; 94 bgs., R. J. Gates, Buenos Aires
FLOWERS—Chamouille, 42 cs., Peek & Velsor, Hamburg; **Chrysanthemum**, 40 bgs., Order, Trieste; **Pyrethrum**, 311 bls., Order, Trieste
FULLERS EARTH—500 bgs., L. A. Salomon & Bros., London
GAMBIER—850 cs., Order, Hongkong; 425 cs., Guaranty Trust Co., Hongkong
GELATIN—100 cks., J. H. Schroeder, Banking Corp., Bremen; 4 cs., Birn & Wachenheim, Bremen; 9 cs., J. P. Smith & Co., London; 80 cs., Amer Exp Co., Rotterdam
GLAUHER SALT—250 bgs., J. Munroe & Co., Hamburg; 250 bgs., 24 brls., E. M. Sergeant & Co., Hamburg
GLUE—40 bgs., 123 bls., British Bank of So. Amer., Antwerp; 122 brls., 34 bgs., 5 cs., Miller Steel Products Co., Antwerp; 10 bgs., Booth & Co., Liverpool
GLUESTOCK—36 bls., Swift & Co., Genoa
GLYCERIN—100 cks., Marx & Rawolle, Mar-seilles

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TURPENTINE

GUMS—12 cs., Ellerman Wilson Line, Hull; 23 cks., Order, Aden; **Chicle**, 460 bgs., Chiclé Development Co., Belize; **Copal**, 1,960 bgs., L. C. Gillespie Co., Matadi; 185 bgs., Chatham & Phenix Nat Bank, Antwerp; 494 bgs., Chem Nat Bank, Antwerp; 730 bgs., Order, Antwerp; **Damar**, 250 bgs., Baring Bros & Co., Singapore; 100 cs., Innes & Co., Batavia; 200 cs., Bank of Manhattan Co., Batavia; 100 cs., Chem Nat Bank, Batavia; 200 cs., Nat City Bank, Batavia; 153 cs., France Campbell & Darling, Batavia; 100 cs., H. C. Voegel, Batavia; 50 cs., Order, Singapore; **Myrrh**, Order, Aden; **Tragacanth**, 21 bgs., Order, Hamburg; 29 cs., Ellerman Wilson Line Hull; 5 cs., Brown Bros. & Co., London; 96 cs., Thurston & Braidich, London

HERBS—31 cs., F. L. Kraemer & Co., Rotterdam; 7 lbs., Order, Trieste; 89 lbs., Colombo Co., Naples

INDIGOSOL—2 cks., Grasselli Dyestuff Corp., Rotterdam

IRON POWDER—5 cs., Mallinckrodt Chem Works, Hamburg; **Red Oxide**, 10 cks., J. L. Smith & Co., Hull; **Oxide**, 100 brls., Amer Hawaiian S. S. Co., Malaga; 384 brls., C. K. Williams, Malaga; 32 brls., Reichard Coulston Co., Malaga; 100 brls., C. J. Osborn, Malaga; 114 brls., Scott L. Libby, Malaga; 184 brls., Reichard Coulston Inc., Malaga; 100 brls., Order, Malaga; 18 pgs., J. A. McNulty Co., Liverpool; 4 cks., Order, Liverpool; 48 cks., L. H. Butcher & Co., Liverpool

JUNIPER BERRIES—50 bgs., Order, Trieste

LEAVES—51 brls., Armand Gaidan Freres, Marseilles; **Henna**, 31 bgs., Order, Alexandria; **Laure**, 6 brls., Caraki Bros., Patras; 250 lbs., Order, Leghorn; **Wine**, 10 lbs., A. Sahadi, Alexandria; 19 brls., N. Sahadi, Alexandria; 9 lbs., J. Ahamon, Constantinople

LECHES—5 cs., Amer Exp Co., Havre

LIME—Citrate, 87 cs., Order, Messina; **Tartrate**, 119 bgs., C. Pfizer & Co., Seville; 313 bgs., C. Pfizer & Co., Buenos Aires; 465 bgs., C. Pfizer & Co., Buenos Aires

MAGNESITE—313 bgs., Speiden Whitefield Co., Rotterdam

MAGNESIUM—Chloride, 180 drs., Brown Bros & Co., Hamburg; 434 drs., Innis Speiden Co., Hamburg; 221 drs., Nat Bank of Commerce, Hamburg; 178 drs., Order, Hamburg; **Silico Fluoride**, 200 bgs., Jungmann & Co., Hamburg

NAPHTHALENE—120 cks., Chemical Depot Inc., Hamburg

NAPHTHOL—6 cks., Grasselli Dyestuff Corp., Rotterdam

NICKEL SULFATE—151 cks., Gallagher & Ascher, Cardiff

OILS—Cod Liver, 100 brls., C. L. Huisking Inc., Rotterdam; **Palm**, 60 brls., Order, Liverpool; 42 cks., Holland Amer Line, Rotterdam; 1,877 cs., Niger Co., Matadi; 320 cs., Niger Co., Matadi; 449 cs., African & Eastern Trdg Co., Cotonou; 172 cks., Order, Cotonou; **Kernal**, 67 drs., Order, Liverpool; **Rapeseed**, 55 brls., Order, Rotterdam; 150 brls., Vacuum Oil Co., Hull; 200 brls., 470 tons, Order, Hull; **Sesame**, 50 drs., J. C. Francesconi Co., Rotterdam; 5 brls., Order, Hull; 3 cs., Order, Beyrouth; **Sulfur**, 100 brls., Nat City Bank, Palermo; 100 brls., Order, Palermo

OILS ESSENTIAL—2 cs., Ungerer & Co., London; 12 cs., Lehn & Fink, London; 18 cs., Polaks Frutal Works, Rotterdam; 3 cks., S. D'Alvia Naples; 12 cs., Manniello Bros. & Mavrohn Naples; 4 cs., Order, Messina; 10 drs., G. Lueders & Co., Algiers; 3 cks., Ungerer & Co., Algiers; 1 cse., Ungerer & Co., Marseilles; 5 cs. A. Chir's & Co., Grasse; 4 drs., Goldman Sachs Co., Batavia; 8 drs., Order, Batavia; 3 drs., Orbis Products Trdg Co., Malaga; 21 cs., Order, Malaga; 3 drs., M. K. Bernard, Malaga; 5 cs., Orbis Prod Trdg Co., Havre; **Almond**, 1 cse., A. Chir's Co., Grasse; **Bergamot**, 71 cs., Belgian Trdg Co., Messina; **Caraway**, 5 cs., A. A. Stillwell & Co., Rotterdam; 5 cs., Fritzsche Bros., Rotterdam; 5 cs., J. B. Horner Inc., Rotterdam; **Citronella**, 4 drs., H. E. Voegel, Batavia; 3 drs., A. Rosenthal & Sons, Manzanillo; **Geranium**, 3 cks., Order, Marseilles; **Lemon**, 50 cs., Leghorn Trdg Co., Catania; **Orange**, 25 cs., Heidebach Ickelheimer Co., Messina; 50 cs., Leghorn Trdg Co., Messina; 7 cs., Order, Messina; **Pepperyol**, 2 cs., Seaboard Nat Bank, London;

Poppyseed, 7 drs., Fezandie & Sperrle, Rotterdam; **Rosewood**, 3 drs., Middleton & Co., Cayenne; 3 drs., French Amer Banking Corp., Cayenne; **Ylang Ylang**, 2 cs., Order, Havre

PHARMACEUTICAL PRODUCTS—4 cs., R. J. Gates, Havre; 35 cs., E. Fougere & Co., Havre; 9 cs., Ciba Co., Havre

POTASSIUM SALTS—Aetz, 100 drs., A. Klipstein Co., Hamburg; **Caustic**, 50 drs., Klipstein & Co., Hamburg; **Chlorate**, 2,400 cks., Uniform Chem Products Co., Hamburg; **Manure Salt**, 108,864 kilos, Soc Des Potasses D'Alsace, Antwerp; **Muriate**, 4,700 bgs., Soc Des Potasses D'Alsace, Antwerp; **Sulfate**, 100 bgs., Soc Des Potasses D'Alsace, Antwerp

POTATO FLOUR—50 bgs., L. A. Salemon & Bro., Rotterdam

PYRIDINE—5 drs., Eli Lilly & Co., Hamburg; 3 drs., Seaboard Nat Bank, Hamburg; 16 drs., Order, Hamburg

QUININE—112 cs., R. W. Greeff & Co., Rotterdam

ROOT—6 bgs., Order, Hamburg; **Broom**, 64 brls., H. Triest Co., Vera Cruz; **Canagria**, 11 bgs., Order, Vera Cruz; **Licorice**, 67 bgs., Order, Smyrna; **Orris**, 63 bgs., Order, Leghorn; **Sarsaparilla**, 10 brls., Otto Gerdan Co., Cristobal

SAFFRON—1 cse., G. W. Sheldon & Co., Havre; 11 lbs., Order, Vera Cruz

SEED—Anise, 275 bgs., Order, Malaga; **Anatto**, 52 bgs., Andean Trdg Co., Cristobal; **Caraway**, 100 bgs., Strohmeyer & Arpe Co., Rotterdam; 50 bgs., Amer Hawaiian S. S. Co., Malaga; 50 bgs., Catz Amer Co., Rotterdam; 100 bgs., Hardick Dean Co., Rotterdam; **Castor**, 214 bgs., W. & A. Leaman Co., Gonaves; 131 bgs., K. Mandell & Co., Gonaves; 7,790 bgs., Baker Castor Oil Co., Pernambuco; 74 bgs., K. Mandell & Co., Gonaves; 41 bgs., A. Behrens & Co., Port Au Prince; 100 bgs., N. Y. Trust Co., Haiti; **Flax**, 8,457 bgs., Order, Buenos Aires; **Mustard**, 310 bgs., Baltic Shpg Co., Antwerp; 190 bgs., Baltic Shpg Co., Antwerp; **Rape**, 100 lbs., A. G. Dunn, Rotterdam; 200 lbs., Nungesser Dickinson Seed Co., Rotterdam; 300 bgs., G. W. Sheldon & Co., Rotterdam; 150 bgs., J. D. Nordlinger Inc., Rotterdam; 500 bgs., Order, Rotterdam

SHELLAC—Sticklac, 70 cs., Innes & Co., Singapore

SOAP—25 cs., Kidder Peabody & Co., Havre; 100 cs., G. Borgfeldt & Co., Seville; 200 cs., Equit Trust Co., Seville; 55 cs., Assoc Mdse Co., Seville; 200 cs., Order, Seville; 55 cs., Assoc. Mdse Co., Seville; 200 cs., Order, Seville

SODIUM SALT—442 cans, Anglo So Amer Trust Co., Havre; **Bisulfite**, 96 drs., Order, Antwerp; **Cyanide**, 1,175 cs., Ruessler & Hasslacher Chem Co., Hamburg; **Fluosilicic**, 50 bgs., M. De Mattia Chem Co., Hamburg; **Nitrate**, 6,645 bgs., Anglo So Amer Trust Co., Antofagasta; 6,634 bgs., Antony Gibbs & Co., Iquique; 1,778 bgs., Kuttroff Pickhardt & Co., Hamburg; **Sulphidrat**, 360 drs., C. S. Grant & Co., Hamburg

TALC—200 sks., L. A. Salemon & Bro., Genoa; 500 bgs., Coty Inc., Genoa; 500 bgs., Order, Genoa

TARTAR—200 bgs., C. Pfizer & Co., Marseilles; 364 bgs., Royal Baking Powder Co., Marseilles; 736 bgs., C. Pfizer & Co., Tarragona; **Cream**, 50 brls., Order, Genoa; 50 cks., Harriman Nat Bank, Marseilles; 120 cks., Brown Bros & Co., Marseilles

THYMOL—10 cs., N. Y. Quinine & Chem Works, London

VANILLA BEANS—15 cs., Order, Vera Cruz

VERDET—20 cks., A. Klipstein & Co., Marseilles

WAX—20 bgs., Elbert & Co., Rio de Janeiro; 10 bgs., Nat Bank of Commerce, Alexandria; **Bees**, 130 bgs., Nat City Bank, Rio de Janeiro; 32 bgs., Order, Havana; **Montan**, 1,575 bgs., Strohmeyer & Arpe Co., Hamburg; 360 bgs., Coal & Iron Nat Bank, Hamburg; **Paraffin**, 2,000 bgs., Asiatic Petroleum Co., Balikpapan

WOODFLOUR—400 bgs., A. Kramer & Co., Rotterdam

WOOL GREASE—100 brls., Pfaltz & Bauer, Bremen; 32 brls., R. Badcock & Co., Hull

ZINC—Ammonium Chloride, 44 brls., A. Klipstein & Co., Antwerp; **Oxide**, 150 brls., Philipp Bros., Antwerp

IMPORTS AT PHILADELPHIA

Aug. 27 to Sept. 2

ALUMINUM SULFATE—450 bls., Order, Antwerp

BARK—Cinchona, 195 bls., Order, Rotterdam

BARYTES—600 bgs., Harshaw, Fuller & Goodwin Co., Rotterdam

CALCIUM SULFATE—60 cks., Order, Bordeaux

CASSIA—160 bls., Metc & Nat Bank, Hongkong

CHINA CLAY—326 tons, Order, Bristol; 60 cks., Order, Antwerp

COAL TAR DISTILLATE—20 drms., Monsanto Chemical Works, Liverpool

COLORS—Ground, 27 cs., F. B. Vandegrift & Co., Antwerp

CUTCH—100 boxes, Order, Calcutta

EGG—Albumen, 34 cs., Order, Hankow; **Yolk**, 107 cs., Order, Hankow

GLYCERIN—450 cks., Order, Marseilles

GUM—Copal, 170 bgs., Brown Bros & Co., Antwerp

HEMATITE—1,000 tons, Baring Bros & Co., Middlesboro

HYDROGEN PEROXIDE—50 cchs., Clegg Chem Co., London

IRON OXIDE—84 brls., C. K. William, Malaga

LEAD NITRATE—20 cks., Order, Glasgow

OIL—Degras, 120 bls., Baring Bros & Co., East London; 200 bls., Lee Higginson & Co., East London; **Palm**, 99 cks., Fourth St Nat Bank, Liverpool; 16 cks., Order, Liverpool; **Rape**, 125 bls., Order, Hull

POTASSIUM NITRATE—80 cks., Harshaw, Fuller & Goodwin Co., Antwerp

PYRITES—7,388 tons, The Pyrites Co., Huelva

SAGO FLOUR—755 bgs., Order, Singapore

SEEDS—Caraway, 75 bgs., Equit Tr Co., Rotterdam; 50 bgs., Order, Rotterdam; 100 bgs., Order, Rotterdam; 200 bgs., Order, Rotterdam; **Rape**, 150 bls., Order, Antwerp

SHELLAC—30 bls., Order, Calcutta

SODIUM SULFIDE—400 drms., Guaranty Tr. Co., Antwerp; 150 drms., O. G. Hempstead & Son, Antwerp

STARCHE—Potato, 500 bgs., Stein Hall & Co., Inc., Rotterdam

TALC—400 bgs., Order, Bordeaux; 200 bgs., L. A. Salemon & Bro., Genoa

WITHERITE—248 tons, 11 cwt., Order, Middlesboro

WOODPULP—1,175 bls., Scandinavian Pulp Agcy Inc., Skutskar; **Sulfite**, 300 bls., Nat City Bank of N. Y., Gothenburg

IMPORTS AT BALTIMORE

Aug. 27 to Sept. 3

CARAWAY SEED—100 bags, McCormick & Co., Rotterdam

CHALK—500 bags, Billiard & Co., Antwerp

CHEMICALS—1,000 bags, Paul Uhlig & Co., Inc., New York, Rotterdam; 100 drums, 60,940 lbs., F. H. Shallus Co., Hamburg; 27 bbls., 28,171 lbs., Ruessler & Hasslacher Chem Co., New York, Hamburg

CLOVES—100 bales, 14,771 lbs., F. H. Shallus Co., Hamburg; 125 bales, F. H. Shallus Co., Rotterdam

CLAY—50 casks, Ruessler & Hasslacher Chem Co., Rotterdam

FERTILIZER—985 bags, Wm H. Masson, London

MANURE—Goat, 850 tons, Armour Fertilizer Works, La Vela de Coro, Venezuela

MOLASSES—1,300,000 gals., Cuba Distilling Co., Cienfuegos

POTASH—129 casks, 96,639 lbs., F. H. Shallus Co., Hamburg; 150 casks, 120,481 lbs., F. H. Shallus Co., Hamburg; 103 drums, 56,749 lbs., F. H. Shallus Co., Hamburg; **Caustic**, 114 drums, Wm H. Masson, Rotterdam; **Manure Salt**, 1,009,279 lbs., Potash Import Corp., Hamburg

SESAME OIL—300 drums, John S. Connor, Rotterdam; 60 drums, F. H. Shallus Co., Rotterdam

WHITING—31 bags, 220,000 lbs., Continental Whiting Co., Havre

IMPORTS AT NEW ORLEANS

Aug. 28 to Sept. 4

BAUXITE—2,431 tons, Republic Mining Co., Paramaribo

BARIUM—Carbonate, 110,230 lbs., Order, Antwerp; **Precipitate**, 121,255 lbs., Order, Holland

FULLER'S Earth—3,000 bags, Order, London
LIME, Chlorinated—24,480 lbs., Order, London
MAGNESITE—19,934 bags, Order, Trieste
MOLASSES—477,331 gals., Canal-Commercial Bank, Havana; 70,040 gals., American Sugar Refining Co., Cienfuegos; 740,796 gallons, Dunbar Molasses Co., Sagua; 8,124

gals., Kentucky Alcohol Co., Nuevitas; 1,200,000 gals., for American Sugar Refining Co., Port Parafa
OCHRE—255 casks, Order, Marseilles
OIL—Olive, 3,070 cases, Order, Cadiz; 20 cases, Order, Barcelona
PCTASH—2,500 bags, Order, Barcelona; **Manure Salts**, 311 tons, Order, Marseilles
SEEDS—Peppy, 600 lbs., Order, Holland

IMPORTS AT SAN FRANCISCO

Aug. 22 to 29
GUM—Spotted, 27 packages, Order, Sydney
PATAFFINE WAX—3,200 bags, Shell Co. of California, Balikpapan
POTASH—2 cases, O'Connor, Harrison Co., Papeete
SEEDS—32 sacks O'Connor, Harrison Co., Papeete; 12 bales, H B Thomas & Co., Sydney

WILL ADDRESS CHEMICAL STUDENTS

On the program of the Exposition of Chemical Industries, Grand Central Palace, Sept. 28 to Oct. 3, are several lectures provided for the Students Course on unusual materials of construction, including the following: "Heat Resisting Alloys," by Arlington Bensel; "Pyrex Glass," by A. E. Marshall, of Corning Glass Works, Corning, N. Y.; "Bakeilte," by T. S. Taylor, Bakelite Corp., New York; "Lacquers as Protective Coatings," by Arthur Orr, Commercial Solvents Corp., Terre Haute, Ind.

A general address will be delivered each day of the Students Course as follows:

Tuesday—"The Application of Research to Industry," Dr. Arthur D. Little.

Wednesday—"Sources of Information for Chemists and Engineers, H. E. Howe, Editor "Industrial & Engineering Chemistry."

Thursday—"Buying and Selling the Products of Chemistry," Williams Haynes, President "Drug & Chemical Markets."

Friday—"The American Chemical Industry of Today," Dr. Charles H. Herty.

The meetings of the American Chemical Society in conjunction with the Chemical Exposition, Sept. 28 to Oct. 3, will be devoted to a symposium on "Motor Fuel and Oil Conservation;" and on Friday, Oct. 3, a symposium on "Development of the Artificial Silk Industry."

Alizarin and derivative imports for June amounted to 1,763 pounds, valued at \$5,040. June imports of colors, dyes and stains totaled 558,776 pounds valued at \$726,997.

Western Lime & Cement Co., St. Louis, has been awarded a contract by the United States Army engineers to supply 30 tons hydrated lime at Milwaukee at \$399.

The Beltroide Chemical Corp., Lakeland, Fla., will extend its plant and install additional machinery, including mixing equipment and pulverizing apparatus.

The Association of Chemical Equipment Manufacturers has decided to hold its second chemical equipment exposition, at Cleveland, O., May 10-15, 1926.

Federal Chemical Co., Hoboken, N. J., will rebuild the portion of its plant recently damaged by fire. An official estimate of loss has not been announced.

The Southern Department of the National Fertilizer Association will hold its annual convention Nov. 10 and 11 at the Hotel Biltmore, Atlanta, Ga.

Three rich veins of cinnabar are reported to have been discovered recently on the Kuskokwin River about 200 miles from Bethel, Alaska.

Keystons Lime Works, Keystone, Ala., has been awarded a government contract for 175 tons hydrated lime at \$1,225.

FORMIC ACID USED IN RUBBER LATEX

Acetic acid consumed in British Malaya in the coagulation of rubber latex has increased sharply in value since 1921, although the restriction on rubber production has had a marked effect during 1923 and 1924, according to the Department of Commerce. In 1921 Canada furnished 50 per cent of the total, but is no longer an active competitor. Japan was a factor in 1922, but is no longer. At present the market is in possession of Europe, principally Germany and Belgium. Consumers are said to have no preference as to the country of origin and are interested only in quality and price. The average price is £60 per ton. A plant is to be erected in British Malaya for recovery of acid from the waste wood of the jungle.

Total imports in 1924 were 1,385 tons, against 1,537 tons in 1923. Of this amount the United States supplied only 53 tons in 1924, against 13 tons from United Kingdom. 8 tons from British possessions, and 1,311 tons from Europe.

Formic acid is replacing acetic acid in Sumatra for coagulation of rubber latex owing to its lower price. A Dutch firm has been conducting an active campaign in favor of formic acid for this purpose. The price early in June was 60 florins per 100 kilos c. i. f. Belawan, Sumatra, against 70 florins per 100 kilos for acetic acid.

Manganese production is approaching normal and production by the three leading countries, Russia, Brazil, and India, during 1924 totaled 1,175,000 tons, while the world requirements are estimated at 1,750,000 tons. Further development of Russian fields will be necessary before a normal output can be realized.

During June 74,532 pounds of bichromate of potash, valued at \$5,927, was exported. Other potash exported amounted to 497,524 pounds, valued at \$27,504. Bichromate and chromate exports for June amounted to 525,561 pounds, valued at \$31,414, and cyanide exports totalled 204,826 pounds, valued at \$33,107.

Among the board of directors of "The Skyline," issued by the New York Board of Trade and Transportation, are E. F. Cunningham of Lehn & Fink, Inc., S. W. Heartfield of Schieffelin & Co., G. H. Pulsifer of Valentine & Co., and G. W. Coombe of Clarke Chemical Co.

Universal By-Products Co., Patterson (Stanislaus County), Cal., has completed arrangements with the local Chamber of Commerce, F. H. Roberts, president, for the erection of a one-story building, 28 x 100 ft., to be equipped as a casein plant.

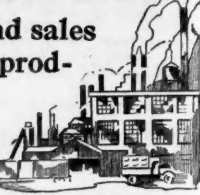
The Rumanian Government will accord diplomatic status to the Treasury agents of the United States who may be stationed in Rumania for the purpose of gathering data among manufacturers as to cost of production.

Production of caustic soda and soda ash during 1924 in Poland by Solvay process totaled 60,000 tons, most of which had to be exported owing to the reduced purchasing power of the home market.

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Bids and Proposals

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TURPENTINE—Sealed bids are wanted September 11 by the commanding officer, Rock Island Arsenal, Ill., pro. 35817, for 1,000 gals turpentine, gum spirits.

LIME—Sealed bids are wanted September 11 by the commanding officer, Rock Island Arsenal, Ill., pro. 35819, for 90,600 lbs hydrated lime for structural purposes.

ALUMINUM SULPHATE—Bids are wanted September 9 by the commanding officer, Rock Island Arsenal, Ill., cir. 35816-A, for 50,000 lbs lump aluminum sulphate for water filtering.

CAUSTIC SODA—Bids are wanted September 21, cir. 17, by the chief of air service, U. S. Army, Washington, for 65,000 lbs. caustic soda.

CREOSOTE—Sealed bids are wanted Sept. 23 by the U. S. engineer, St. Louis, cir. 20, for 4,000 gals. creosote oil.

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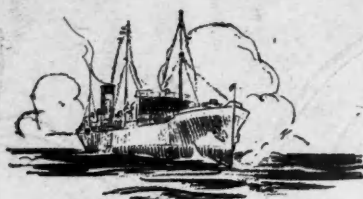
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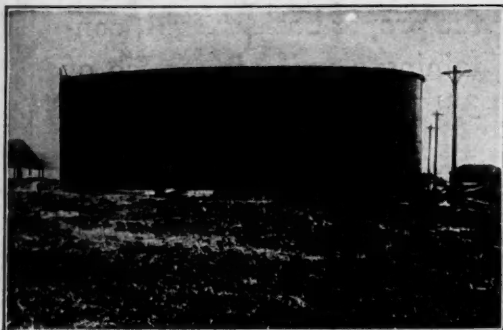




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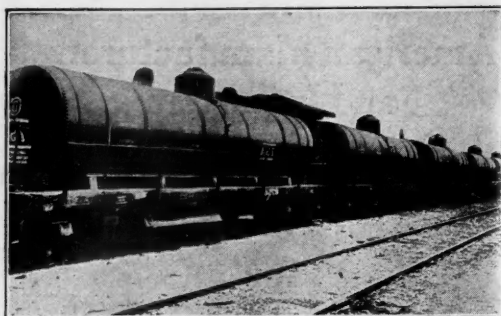


Storage tanks such as this receive the fresh molasses as the sugar cane is ground

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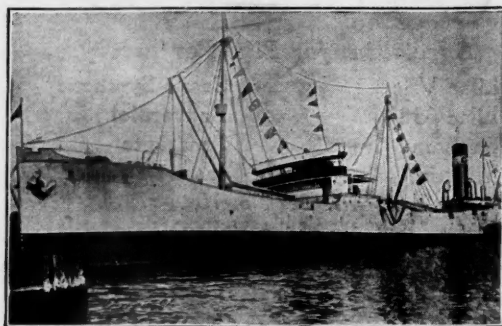
River barges, or tank cars—also controlled by the company—carry this supply to the coast. Its own fleet of modern tank steamers conveys the



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molasses directly to the plants of this vast organization, where it is converted into alcohol.

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